Albany SE

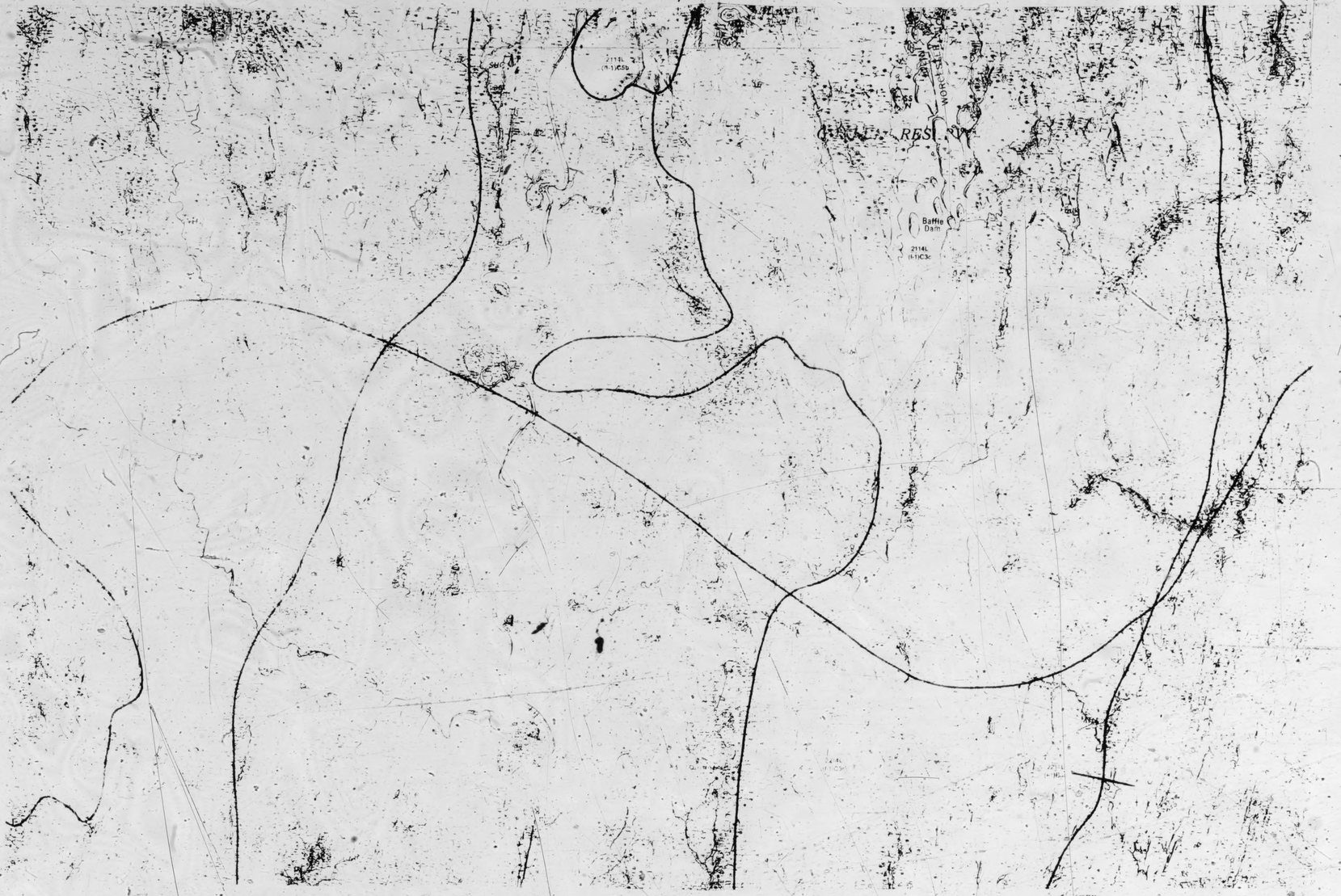
MASSACHUSETTS–CONNECTICUT

1:100 000 — Scale Map of

National Wetlands Inventory

- Wetland classifications
- Highways, roads and other manmade structures
- Water features
- Geographic names

FISH & WILDLIFE SERVICE



MICROFICHE INDEX
ALBANY (SE)
HOLYOKE

NW	NC	NE
SW	SC	SE

SCALE 1:100 000

ALBANY SE, MASSACHUSETTS–CONNECTICUT

WETLAND LEGEND

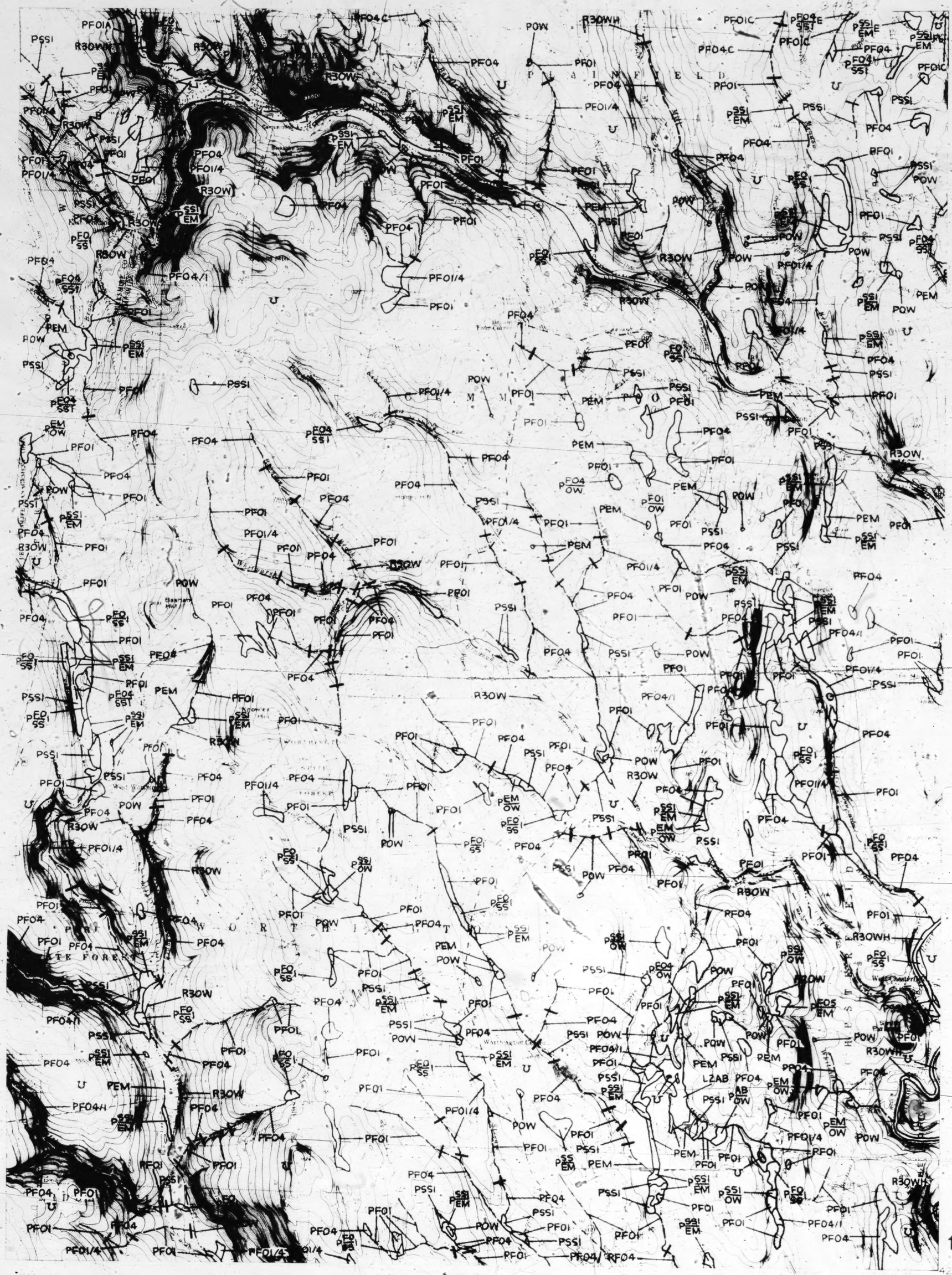
M MARINE	M MARINE	ESTUARINE	ESTUARINE	R RIVERINE	R RIVERINE	R RIVERINE	R RIVERINE	L LACUSTRINE	LACUSTRINE	PALUSTRINE
SUBTIDAL	INTERTIDAL	SUBTIDAL	INTERTIDAL	TIDAL	LOWER PERENNIAL	UPPER PERENNIAL	INTERMITTENT	LIMNETIC	LITTORAL	NO SUBSYSTEM
W Open Water	W Aquatic Bed	W Open Water	W Aquatic Bed	W Emergent	W Open Water/Unconsolidated	W Open Water	W Open Water	W Open Water	W Open Water	W Open Water
RB Reef	RB Reef	RB Reef	RB Reef	RB Reef	RB Rock Bottom	RB Rock Bottom	RB Rock Bottom	RB Rock Bottom	RB Rock Bottom	RB Rock Bottom
										B Unconsolidated Bottom
										AB Aquatic Bed
										RS Rocky Shore
										US Unconsolidated Shore
										E Emergent
										M Moss/Lichen

SOURCES OF ADDITIONAL INFORMATION

Topographic maps: U.S. Geological Survey
Ecological: U.S. Forest Service
Land Surface Form: U.S. Geological Survey
Habitat and Wildlife Figures: U.S. Fish and Wildlife Service

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



10/75

WETLAND LEGEND

Upland represents upland areas but may include unclassified wetlands such as man modified areas, photo identifiable areas and or unintentional omissions.

M MARINE

Subtidal | Intertidal

ECOLOGICAL SYSTEM | Ecological Subsystem

E ESTUARINE

Subtidal | Intertidal

ECOLOGICAL SYSTEM | Ecological Subsystem

R RIVERINE

Tidal | Lower Perennial | Upper Perennial | Intermittent | Intermittent Perennial

ECOLOGICAL SYSTEM | Ecological Subsystem

L LACUSTRINE

Limnetic | Littoral

ECOLOGICAL SYSTEM | Ecological Subsystem

P PALUSTRINE

ECOLOGICAL SYSTEM | Ecological Subsystem

MODIFYING TERMS

WATER REGIME		WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal	Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with **Classification of Wetlands and Deep Water Habitats of the United States** (An Operational Draft) Cowardin, et al. 1977. The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

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SYMBOLOGY EXAMPLE

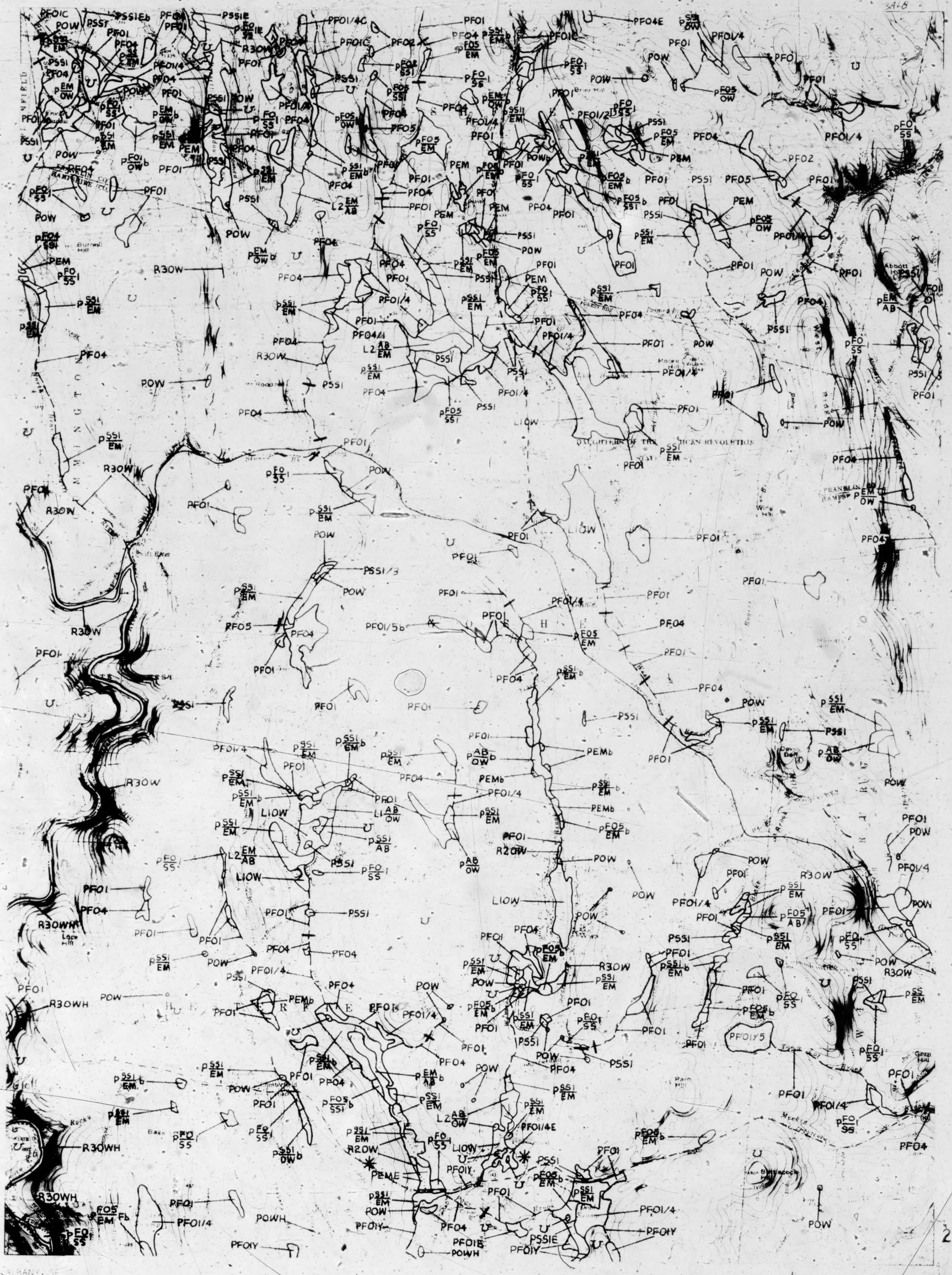
NOTES TO THE USER

- Wetlands which [illegible] may be identified by an asterisk.
- Dominance type (other vegetation types or codes) may be added to the map by the interpreter.
- Additions or corrections to the wetland data may be displayed on the map by the interpreter.

MICROFICHE INDEX
ALBANY (SE)
HOLYOKE

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



10/75

WETLAND LEGEND

...systems upland areas but may ...
...include classified wetlands such as man-modified areas ...
...unidentifiable areas and or unintentional omissions.

M MARINE

ECOLOGICAL SYSTEM

Ecological Subsystem

E ESTUARINE

ECOLOGICAL SYSTEM

Ecological Subsystem

R RIVERINE

ECOLOGICAL SYSTEM

Ecological Subsystem

L LACUSTRINE

ECOLOGICAL SYSTEM

P PALUSTRINE

ECOLOGICAL SYSTEM

MODIFYING TERMS

WATER REGIME

Tidal

WATER CHEMISTRY

Coastal Salinity

Inland Salinity

pH Modifiers for Use if Peat or Water

SOIL

SPECIAL MODIFIERS

SPECIAL NOTE

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SYMBOLOGY EXAMPLE

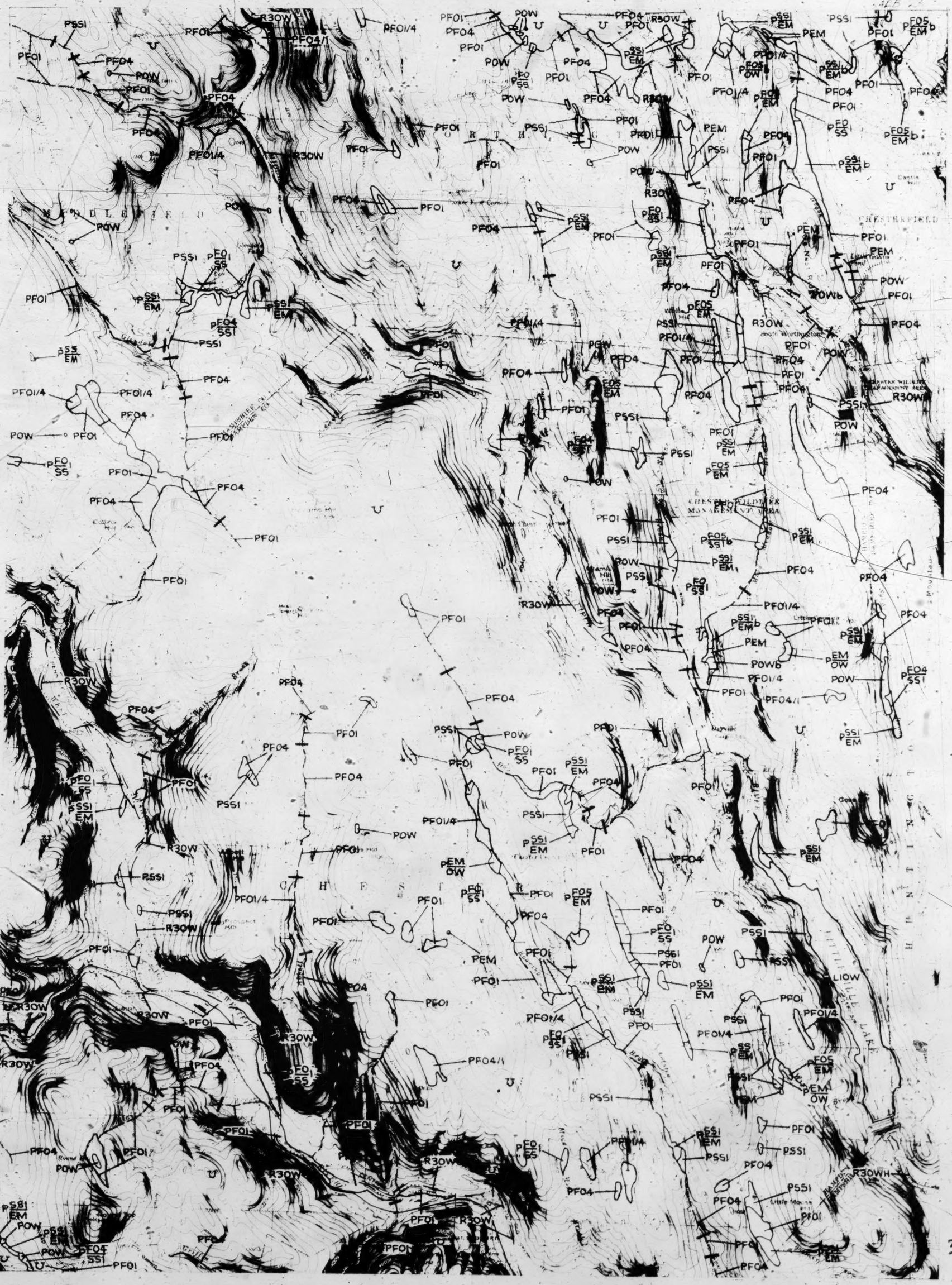
NOTES TO THE USER

MICROFICHE INDEX
ALBANY (SE)
HOLYOKE

	NORTHAMPTON	HOLYOKE						
		NW			NO			NE
	CHESTER	HUNTINGTON		EASTHAMPTON	HOLYOKE	BELCHERTOWN		
	BLANDFORD	GRANVILLE		HOLYOKE	SPRINGFIELD NORTH	LUDLOW		
		SW			SO			SE
	WEST GRANVILLE	SOUTHWICK		WEST SPRINGFIELD	SPRINGFIELD SOUTH	LUDLOW		

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR


R30W
PSS1
PF01
PF04
POW
PF01/4
PF04/1
PEM
PSS1/EM
PFO1/SS
PFO5/EM
PFO5/SS
PEM/OW
POWb
PSS1b
PSS1/EMb
PFO5/EMb
PFO5/SSb
PFO4/SS1
PSS1/EM1
PFO1/SS1
PSS1/EM1b
PFO5/EM1b
PFO5/SS1b
PFO1/SS1b
PSS1/EM1b
PFO4/SS1b
PSS1/EM1b
PFO1/SS1b
PSS1/EM1b
PFO5/EM1b
PFO5/SS1b
PEM/OWb

WETLAND LEGEND

Palustrine (represents upland areas but may include classified wetlands such as manmodified areas photo identifiable areas and/or unmeasurable omissions)

M MARINE

ECOLOGICAL SYSTEM

Ecological Subsystem

Subtidal

Intertidal

E ESTUARINE

ECOLOGICAL SYSTEM

Ecological Subsystem

Subtidal

Intertidal

R RIVERINE

ECOLOGICAL SYSTEM

Ecological Subsystem

Tidal

Lower Perennial

Upper Perennial

Intermittent

Unknown Perennial

L LACUSTRINE

ECOLOGICAL SYSTEM

Ecological Subsystem

Limnetic

P PALUSTRINE

ECOLOGICAL SYSTEM

Ecological Subsystem

MODIFYING TERMS

WATER REGIME				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal		Tidal		Coastal Salinity	Inland Salinity	pH Modifiers for all Four Water		

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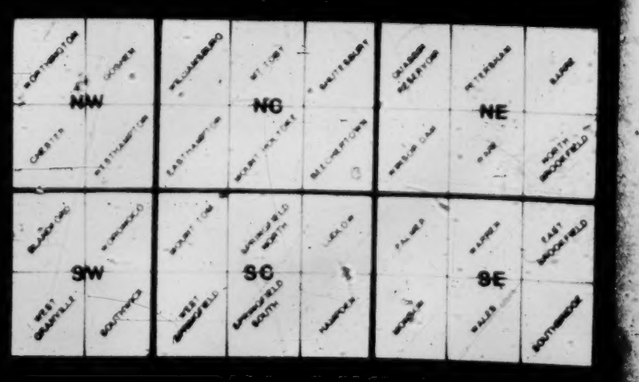
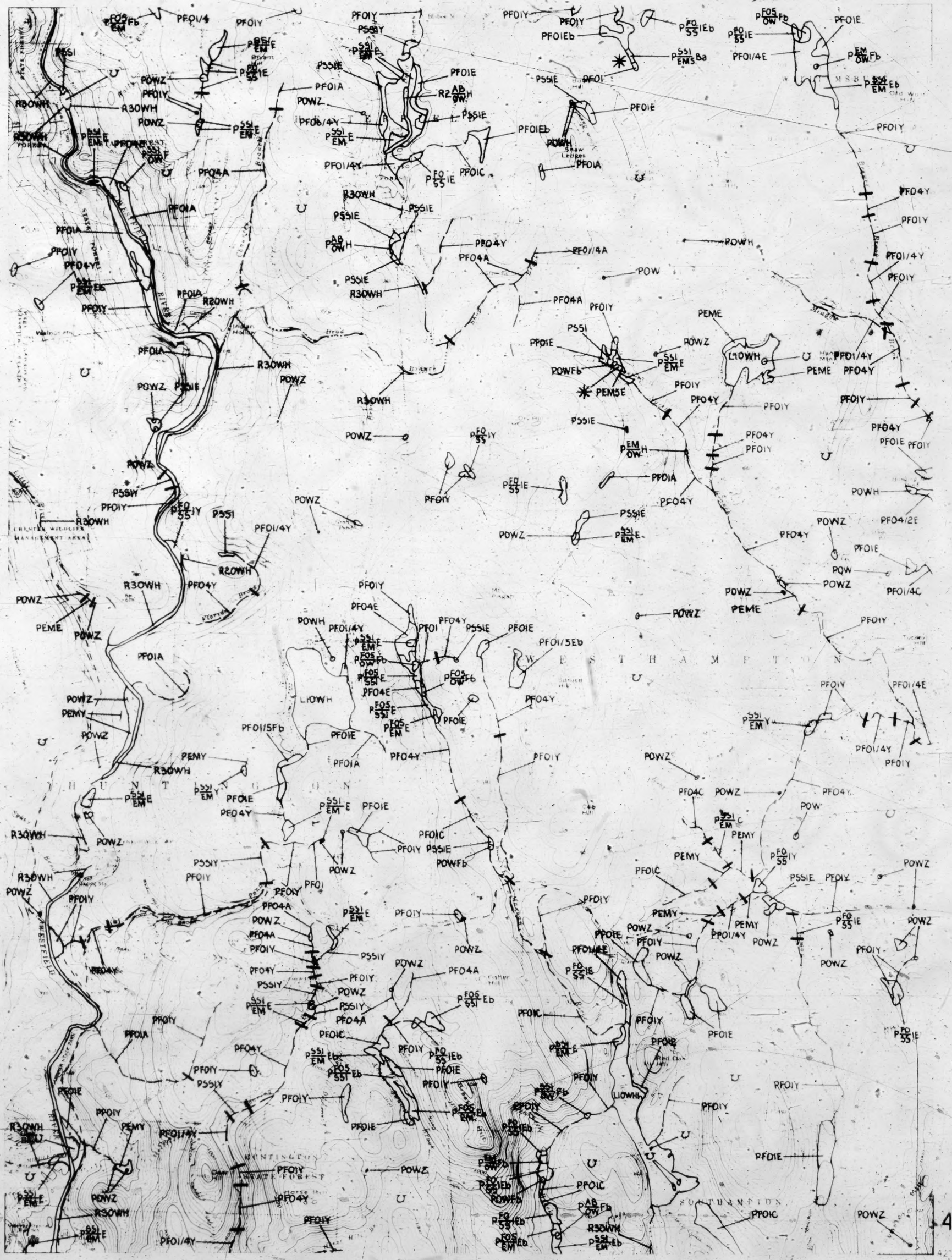
on the map is an asterisk.
- Dominance type (other
all be added to the
Additions or corrections
displayed on this map
information on the

MICROFICHE INDEX
ALBANY (SE)
HOLYOKE



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



WETLAND LEGEND

Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non-photo-identifiable areas and/or unintentional omissions.

M MARINE

ECOLOGICAL SYSTEM

Ecological Subsystem

Subtidal

Intertidal

E ESTUARINE

ECOLOGICAL SYSTEM

Ecological Subsystem

Subtidal

Intertidal

R RIVERINE

ECOLOGICAL SYSTEM

Ecological Subsystem

Tidal

Lower Perennial

Upper Perennial

Intermittent

Unknown Perennial

L LACUSTRINE

ECOLOGICAL SYSTEM

Ecological Subsystem

Limnetic

P PALUSTRINE

ECOLOGICAL SYSTEM

Ecological Subsystem

MODIFYING TERMS

WATER REGIME		WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
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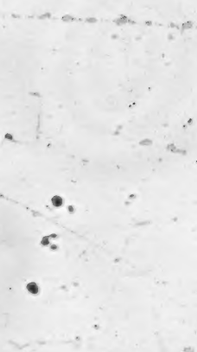

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- Dominance type (either vegetation or underlying
- to be added to the map by the interested
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- displayed on this map are solicited. Please
- information on the additions

MICROFICHE INDEX
ALBANY (SE)
HOLYOKE

NORTHAMPTON	CONWAY	WILLIAMSBURG	MT TOM	SHUTESBURY	QUABBIN RESERVOIR	PETERSHAM	ATHOL
NW			NC			NE	
CHESTER	HUNTINGTON	EASTHAMPTON	HOLYOKE	BELCHERTOWN	PRESCOTT	ERVING	NORTH ORANGE
BLANDFORD	HUNTINGTON	HOLYOKE	SPRINGFIELD NORTH	LUDLOW	PALMER	WARREN	EAST BROOKFIELD
SW		SC			SE		
WEST SPRINGFIELD	SOUTHWICK	WEST SPRINGFIELD	SPRINGFIELD SOUTH	AGAWAM	MONSON	PALMER	SOUTHBRIDGE

NATIONAL WETLANDS INVENTORY

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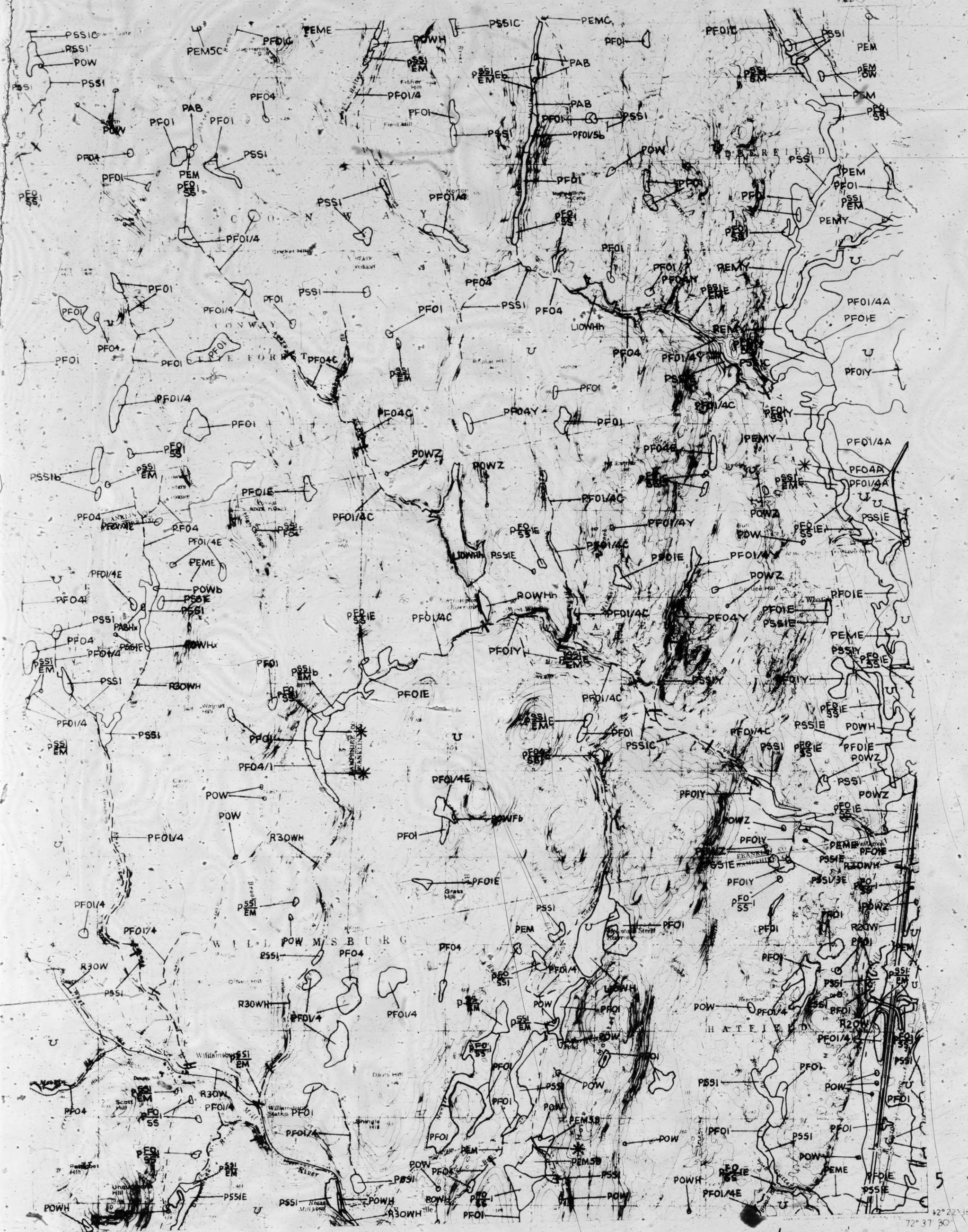
PSS1C
PSS1
POW
PSS1
PEM5C
PFO1C
PEME
POWH
PSS1C
PEMC
PFO1
PAB
PSS1
PFO1/4
PFO4
PFO1
PAB
PFO1
PFO1
PSS1
PFO1/5b
PFO4
PSS1
POW
PFO1
PFO1
PEM
PFO
SS1
PSS1
PFO1/4
PFO1
PFO1
PFO4
PFO1
PFO1
PFO1
PFO4
PFO4C
PSS1
PFO1
PFO1
PFO1
PFO4
PFO4Y
PFO1
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PFO1/4
PFO1
PFO
SS1
PSS1b
PSS1
EM
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POWZ
PFO1E
PFO1/4C
PFO4
PFO1E
PFO1/4
PFO1/4C
PFO1/4Y
PFO1E
SS1
PFO4
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PFO1/4C
PFO1/4Y
PFO1/4E
PEME
PFO1E
PFO1/4C
PFO4Y
POWb
PSS1E
PSS1
PFO1E
PFO1E
PSS1E
PSS1
PABHx
PFO4
PSS1E
POWHx
PFO1/4
PSS1
EM
PSS1
PFO1
PSS1b
PFO1
PFO1/4C
PSS1
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PFO1/4
PFO4
PFO4
PFO1/4
PFO1
PFO1
PFO1/4
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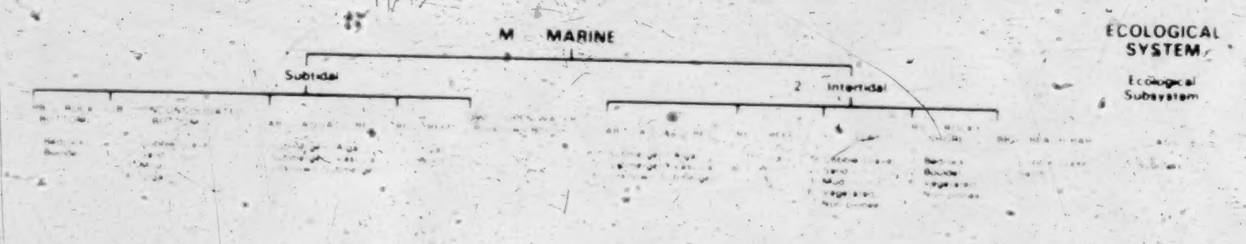
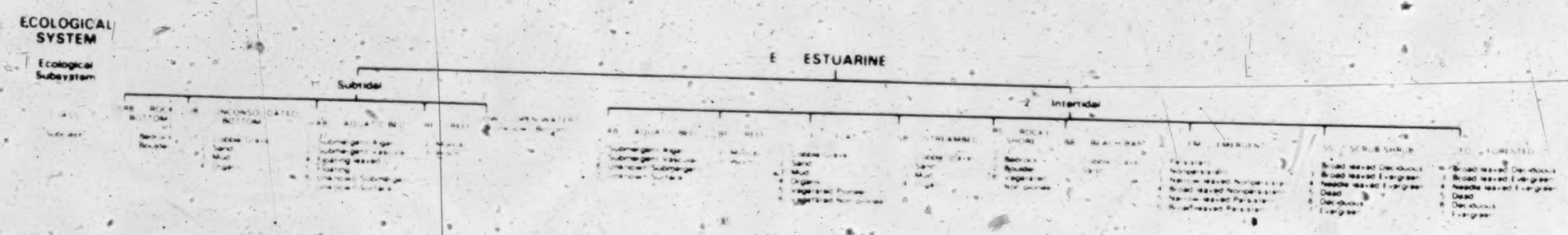
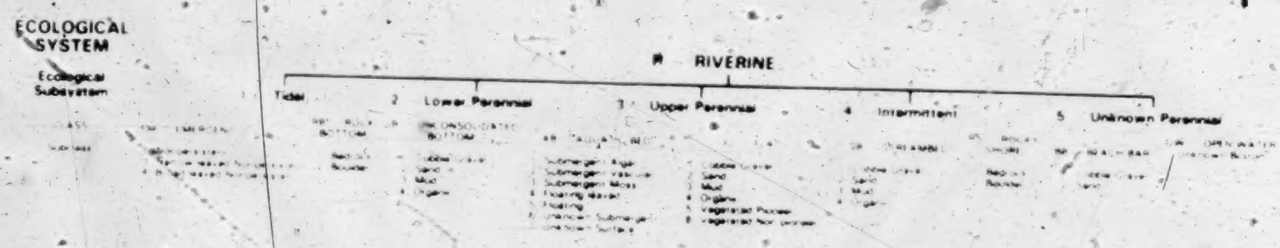
PFO1
PFO1

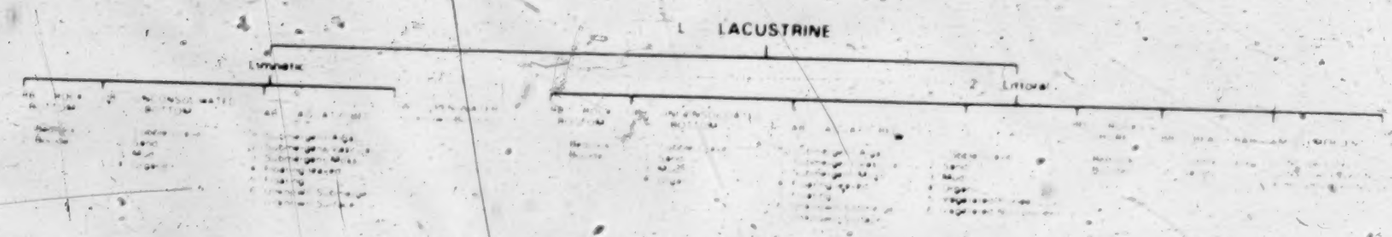
WETLAND LEGEND

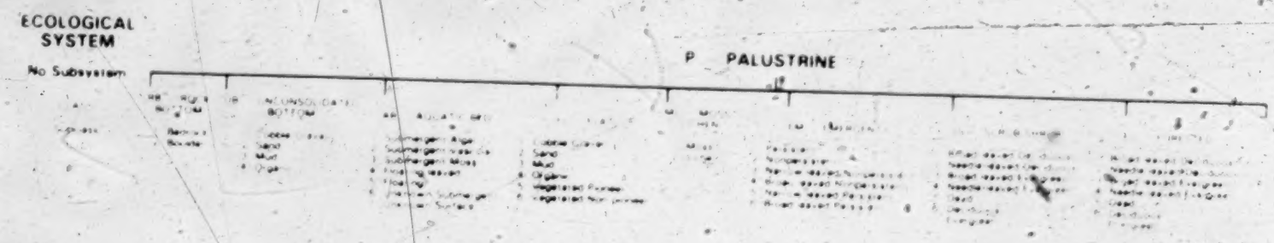
U Primarily represents **upland** areas, but may include unclassified wetlands such as man modified areas, non-photo identifiable areas and or unintentional omissions











MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME[1]			WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal		Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporarily Flooded	H Permanently Flooded	J Subtidal	1 Hypersaline	1 Hypersaline	6 Acid		
B Saturated	G Intermittently Flooded	K Irregularly Exposed	2 Eusaline	2 Eusaline	7 Circumneutral		
C Seasonal	E Artificial	L Regularly Flooded	3 Mixosaline	3 Mixosaline	8 Alkaline		
D Seasonal Well Drained	F Intermittently Exposed/Permanent	P Irregularly Flooded	4 Polyhaline	4 Fresh			
E Seasonal Saturated	W Intermittently Flooded/Temporary		5 Mesohaline				
F Semipermanent	Y Saturated/Semipermanent/Seasonal		6 Oligohaline				
G Intermittently Exposed	Z Artificial		0 Fresh				

[1] Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

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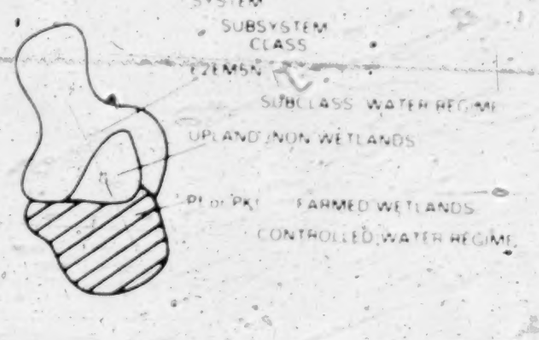

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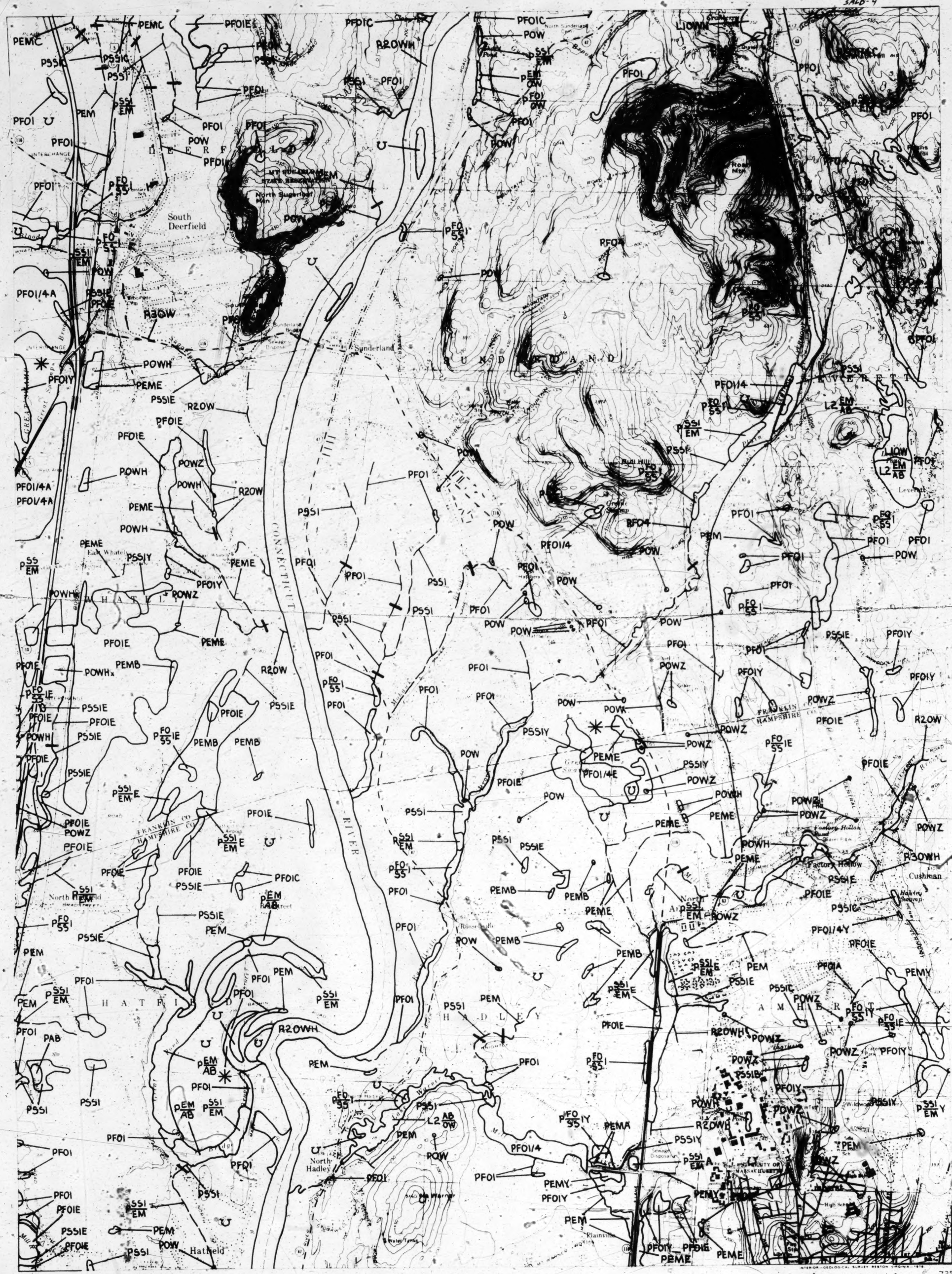
MICROFICHE INDEX
ALBANY (SE)
HOLYOKE

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3ALB-4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PSSIC
PSSI
PEM
PFOI
POW
PFOIE
PFOIC
R2OW
PSSIE
POWH
POWZ
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PSSIY
PFOIY
PEMB
PEMA
PEMY
PFOIA
PSSIA
PSSIB
PSSIF
PFOI/4A
PFOI/4
PFOI/4E
PFOI/4Y
PFOI/4F
PFOI/4B
PFOI/4C
PFOI/4G
PFOI/4H
PFOI/4J
PFOI/4K
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PFOI/4M
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PFOI/4V
PFOI/4W
PFOI/4X
PFOI/4Z
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R3OWH
L2OW
L2EM
L2AB
L2AB/OW
PAB
PEMAB
PEMC/AB
PEMB/AB
PEMY/AB
PEMA/AB
PEMC/OW
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PEMY/OW
PEMA/OW
PEMC/EM
PEMB/EM
PEMY/EM
PEMA/EM
PEMC/EMAB
PEMB/EMAB
PEMY/EMAB
PEMA/EMAB
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PFO1/SS1IEMABT
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PFO1/SS1IEMABV
PFO1/SS1IEMABG
PFO1/SS1IEMABN
PFO1/SS1IEMABQ
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PSS1/EMAB
PSS1/OW
PSS1/EMA
PSS1/EMY
PSS1/EMC
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PSS1/EMF
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PSS1/EMZ
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PSS1/PEMGEMA
PSS1/PEMNEMA
PSS1/PEMQEMA

WETLAND LEGEND

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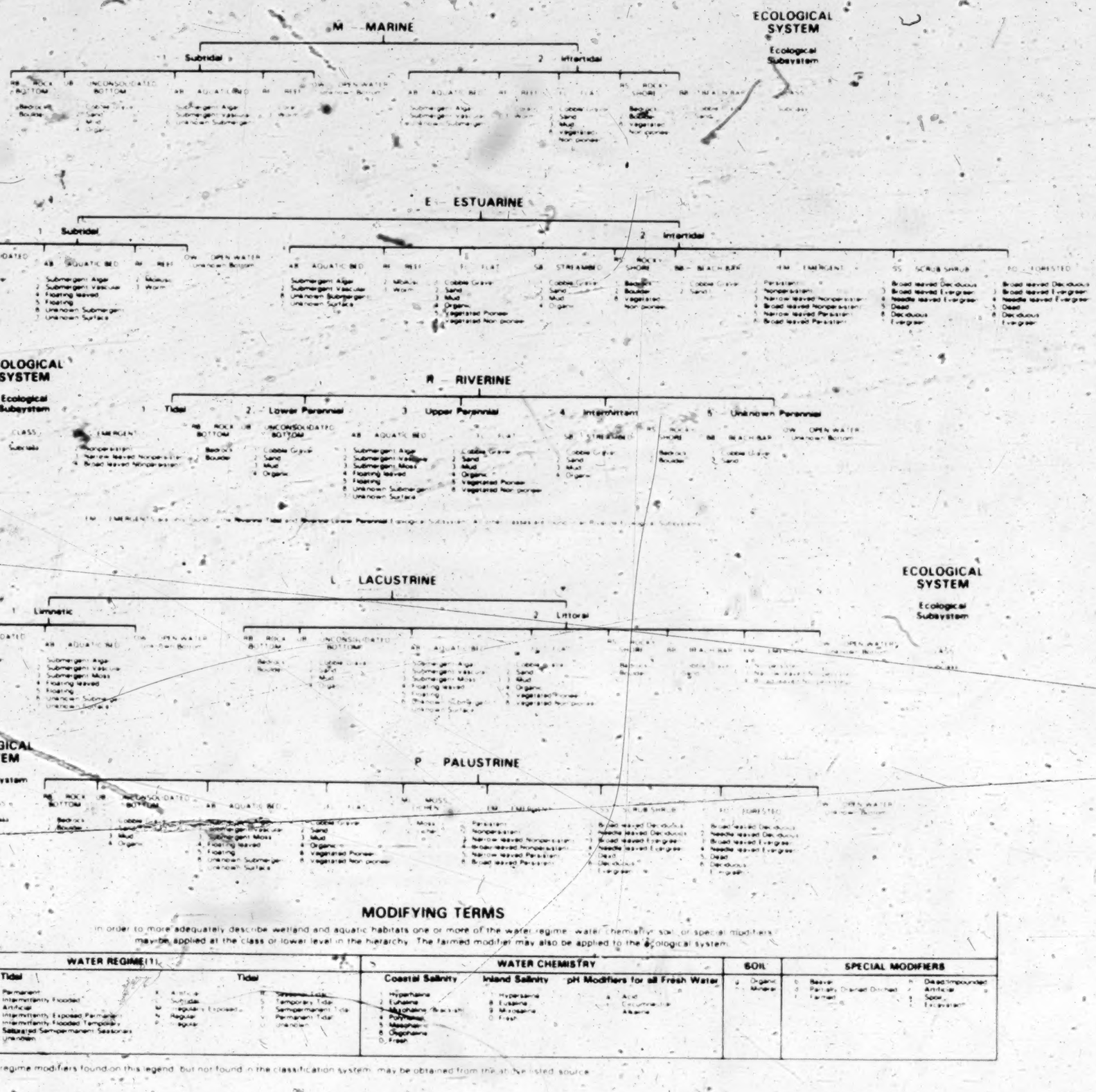

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WATER REGIME[1]		WATER CHEMISTRY		SOIL	SPECIAL MODIFIERS
Non Tidal	**Tidal**	**Coastal Salinity**	**Inland Salinity**		
A Temporary	H Permanent	1 Hyperhaline	7 Hypersaline	g Organic	b Beaver
B Saturated	J Intermittently Flooded	2 Euhaline	8 Eusaline	m Mineral	d Partially Drained/Ditched
C Seasonal	K Artificial	3 Mixohaline (Brackish)	9 Mixosaline		f Farmed
D Seasonal Well Drained	L Subtidal	4 Polyhaline	0 Fresh		h Diked/Impounded
E Seasonal Saturated	M Irregularly Exposed	5 Mesohaline			r Artificial
F Semipermanent	N Regularly Flooded	6 Oligohaline			s Spoil
G Intermittently Exposed	P Irregularly Flooded	0 Fresh			x Excavated
	R Seasonal Tidal				
	S Temporary Tidal				
	T Semipermanent Tidal				
	V Permanent Tidal				
	U Unknown				

pH Modifiers for all Fresh Water
a Acid
c Circumneutral
i Alkaline

[1] Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the attached listed source.

SPECIAL NOTE

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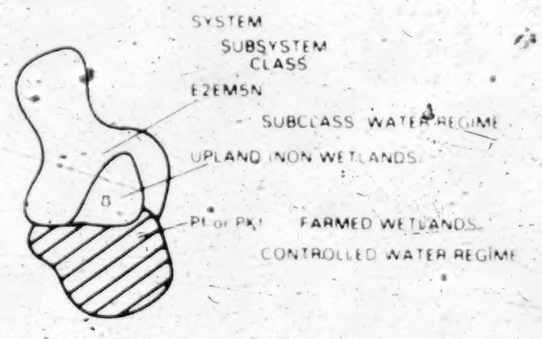
SYMBOLOGY EXAMPLE



NOTES TO THE USER

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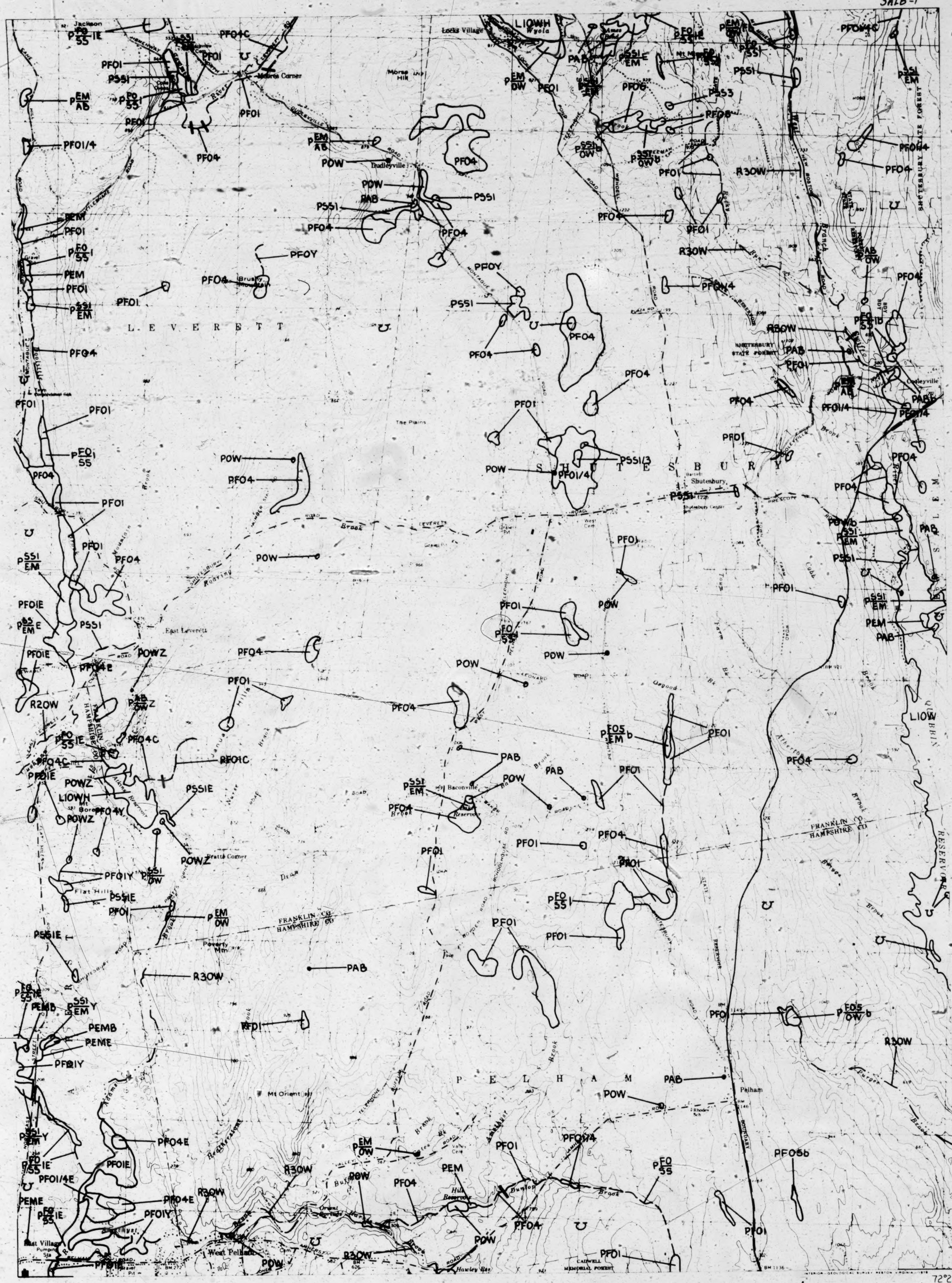
MICROFICHE INDEX
ALBANY (SE)
HOLYOKE

NORTHAMPTON	GOSHEN	WILLIAMSBURG	MT TOM	SHUTESBURY	QUABBIN RESERVOIR	PETERSHAM	ULMS
NW			NC			NE	
CHESTER	WESTHAMPTON	EASTHAMPTON	MOUNT HOLYOKE	BECKETT/PTN	WARDS DAM	WARE	NORTH BROOKFIELD
BLANDFORD	HUNTINGTON	MOUNT TOM	SPRINGFIELD NORTH	LUDLOW	PALMER	WARREN	EAST BROOKFIELD
SW			SC			SE	
WEST SPRINGFIELD	SOUTHWICK	WEST SPRINGFIELD	SPRINGFIELD SOUTH	HAMPDEN	BRIMFIELD	COLLINS	SOUTHBRIDGE

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3ALB-1



7

42°22'30"

72°22'30"

10/75

ALBANY SE
HOLYOKE

SHUTESBURY, MASS

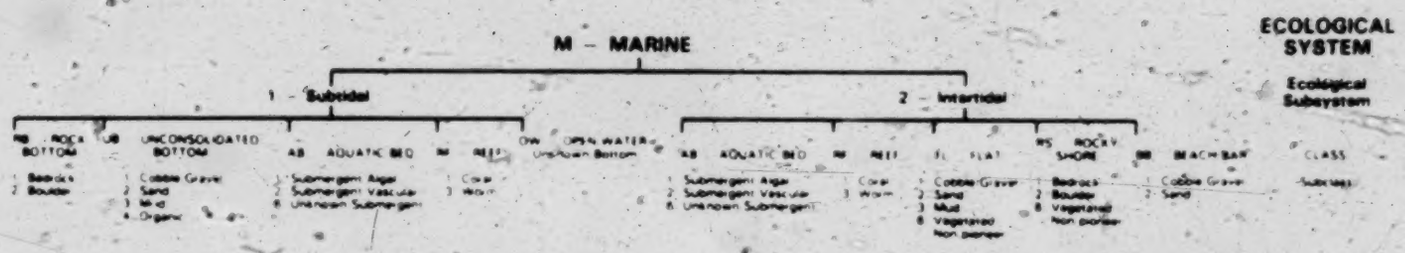
SCALE 1:24000

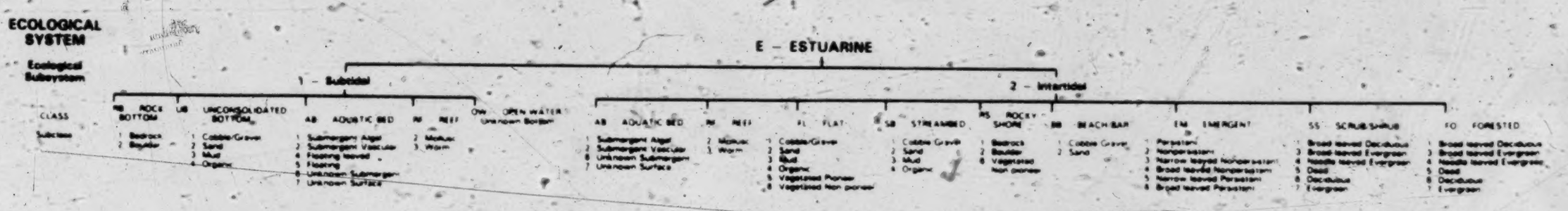
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

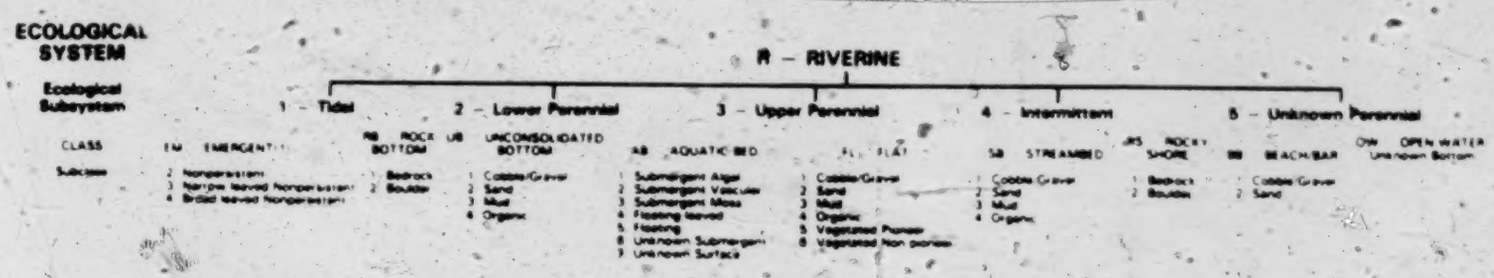
1 KILOMETER

WETLAND LEGEND

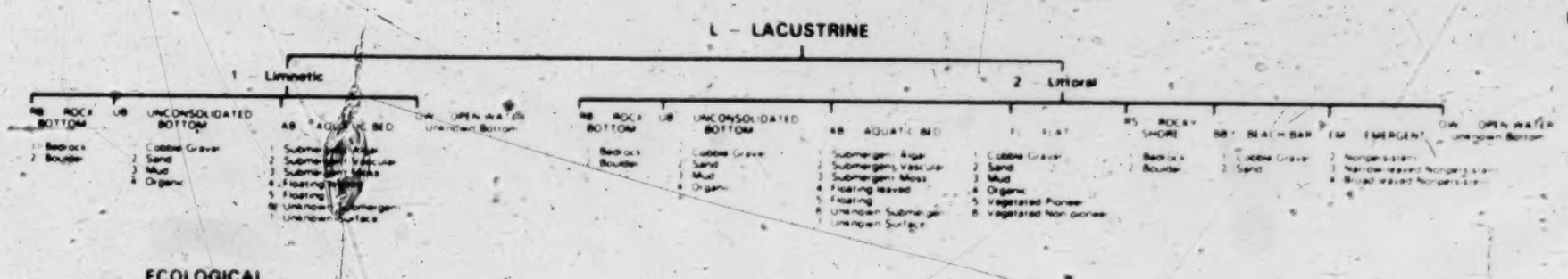
U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions

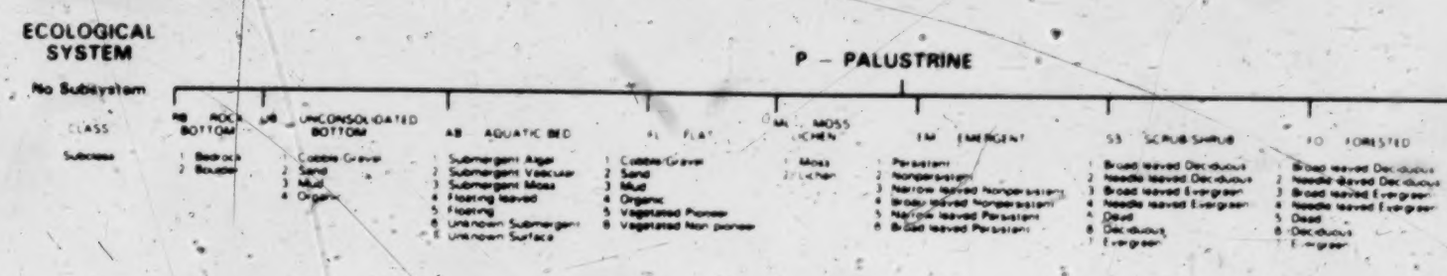






(1) EM – EMERGENTS are only found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. All other classes are found in all Riverine Ecological Subsystems.





MODIFYING TERMS

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WATER REGIME(1)

Non-Tidal		Tidal	
A Temporary	H Permanent	J Artificial	R Seasonal Tidal
B Saturated	J Intermittently Flooded	L Subtidal	S Temporary Tidal
C Seasonal	K Artificial	M Irregularly Exposed	T Semipermanent Tidal
D Seasonal Well drained	Z Intermittently Exposed/Permanent	N Regular	V Permanent Tidal
E Seasonal Saturated	W Intermittently Flooded/Temporary	P Irregular	U Unknown
F Semipermanent	Y Saturated/Semipermanent/Seasonal		
G Intermittently Exposed	U Unknown		

WATER CHEMISTRY

Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water
1 Hyperhaline	7 Hypersaline	a Acid
2 Euhaline	8 Eusaline	c Circumneutral
3 Mixohaline (Brackish)	9 Mixosaline	b Alkaline
4 Polyhaline	0 Fresh	
5 Mesohaline		
6 Oligohaline		
0 Fresh		

SOIL

g Organic	
m Mineral	

SPECIAL MODIFIERS

b Beaver	h Diked/Impounded
d Partially Drained/Ditched	r Artificial
f Farmed	s Spoil
	x Excavated

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

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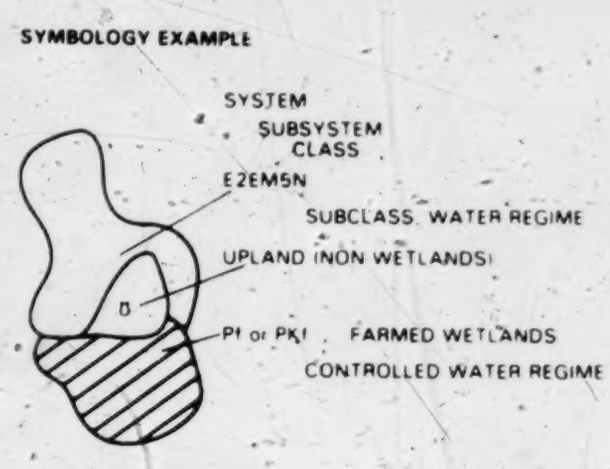

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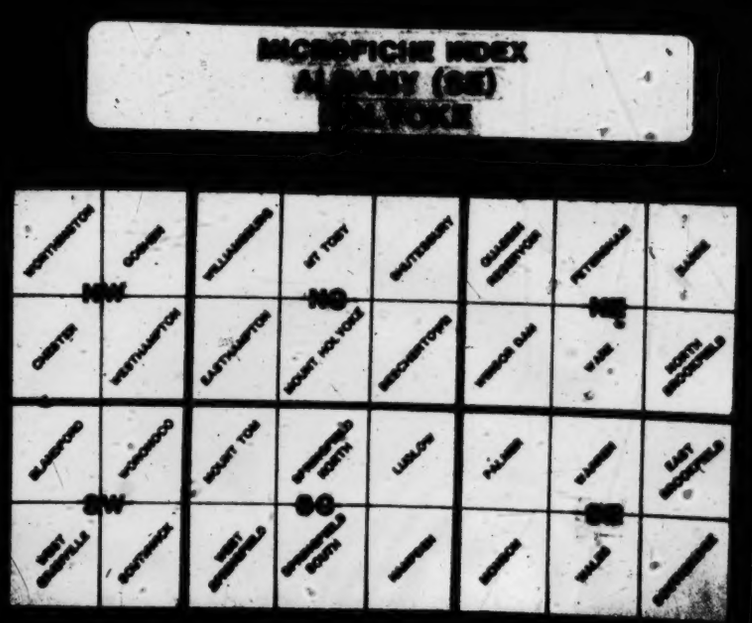

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3ALB-8

8

42° 15
72° 37' 30

ALBANY SE
HOLYOKE

10/75

EASTHAMPTON, MASS

WETLAND LEGEND

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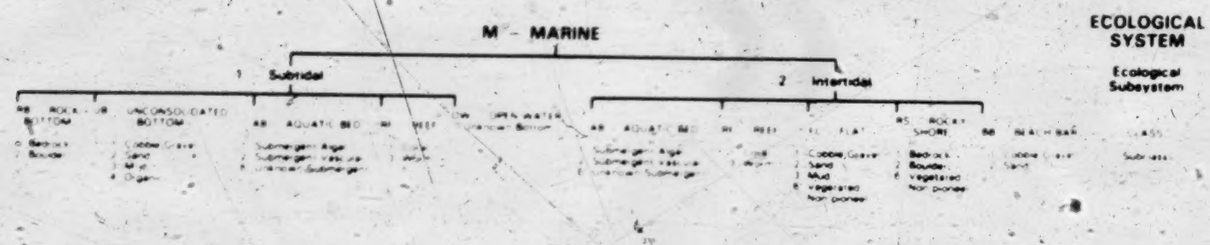

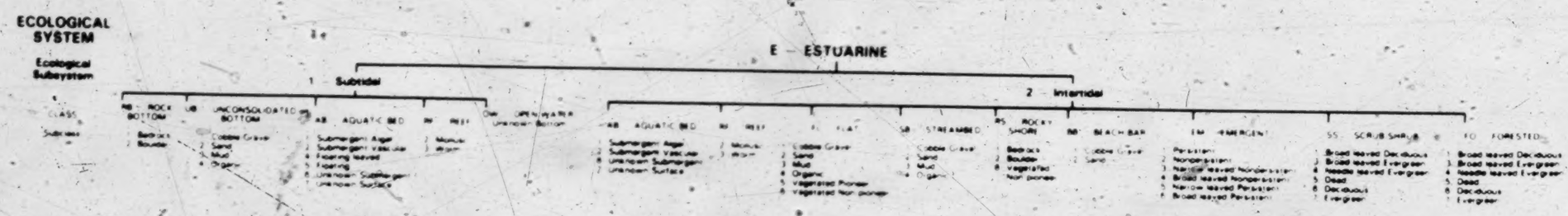

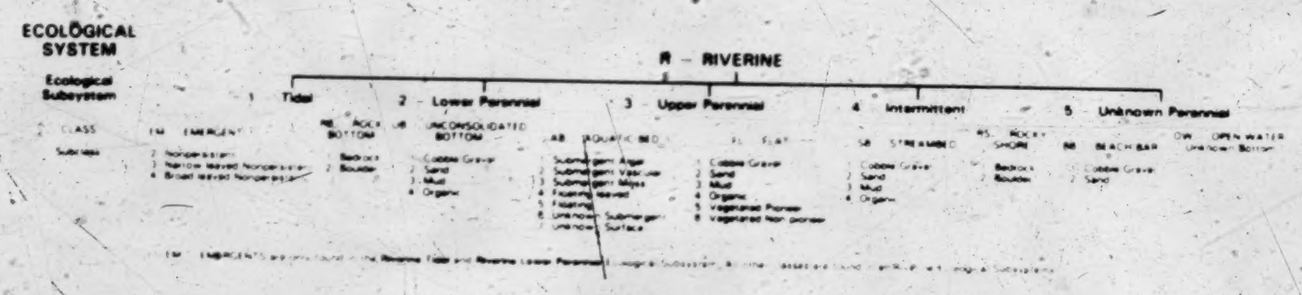

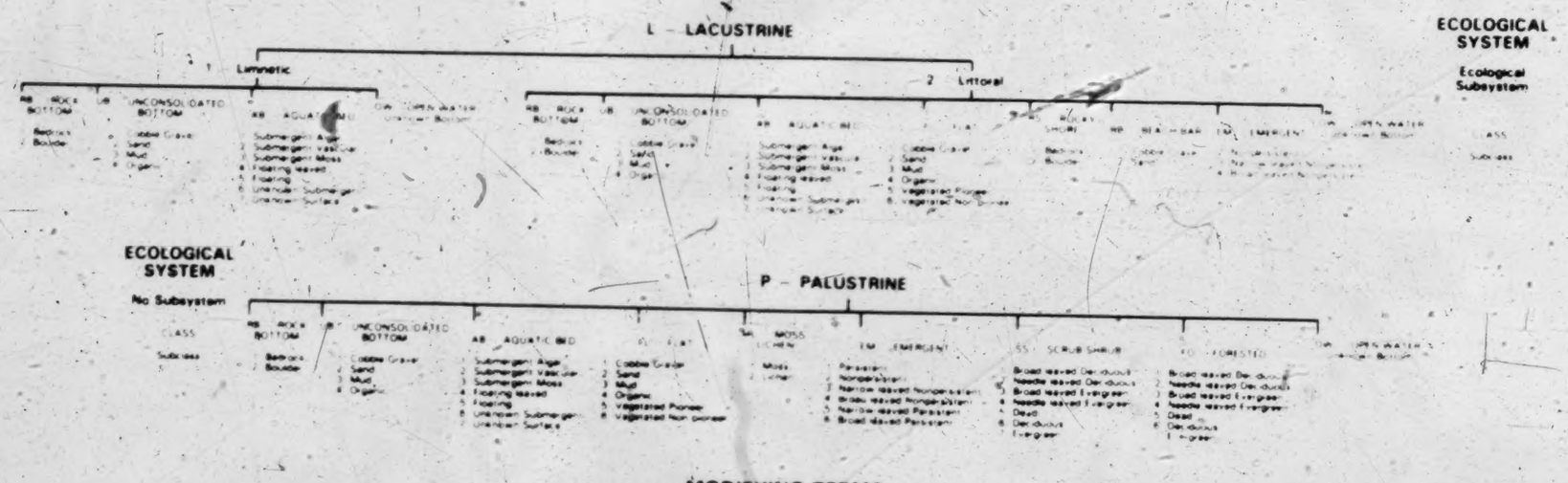

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Non Tidal	Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary B Saturated C Seasonal D Seasonal Well Drained E Seasonal Saturated F Semipermanent G Intermittently Exposed	H Permanent J Intermittently Flooded K Artificial Z Intermittently Exposed Permanent W Intermittently Flooded Temporary Y Saturated Semipermanent Seasonal U Unknown	1 Hypersaline 2 Eusaline 3 Mixohaline (Brackish) 4 Polyhaline 5 Mesohaline 6 Oligohaline 0 Fresh	7 Hypersaline 8 Eusaline 9 Mixosaline 0 Fresh	a Acid c Circumneutral x Alkaline	a Organic b Mineral	b Beaver d Partially Drained/Ditched f Farmed h Diked/Impounded r Artificial s Spoil x Excavated

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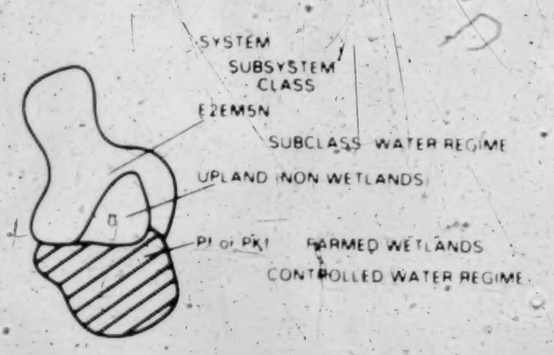

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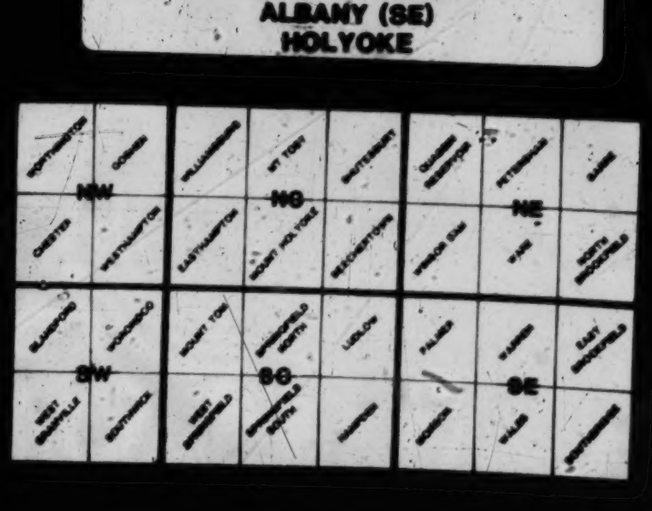
MICROFICHE INDEX
ALBANY (SE)
HOLYOKE



4 16 210

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3118-9

9

42° 15'
72° 30'

10/75

ALBANY SE
HOLYOKE

MT. HOLYOKE, MASS.

SCALE 1:24000

1 MILE
0
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER
1 0 1

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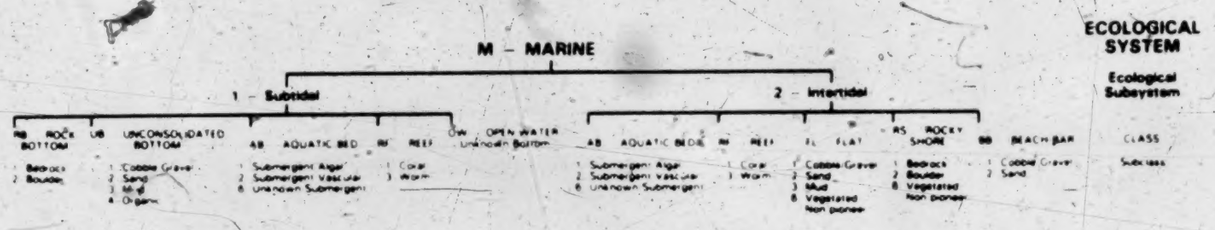
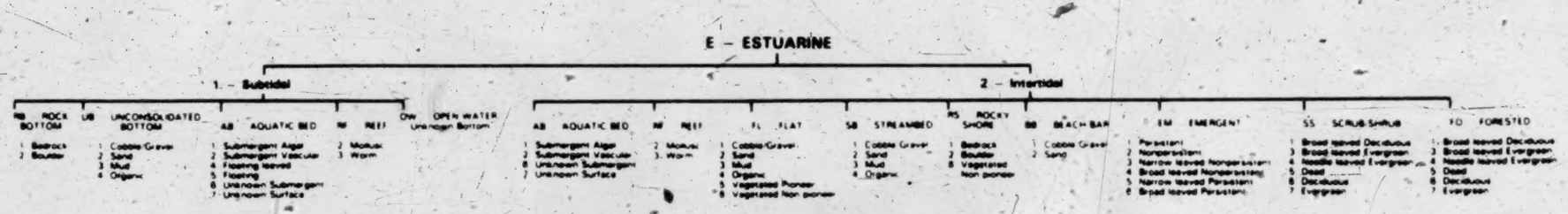
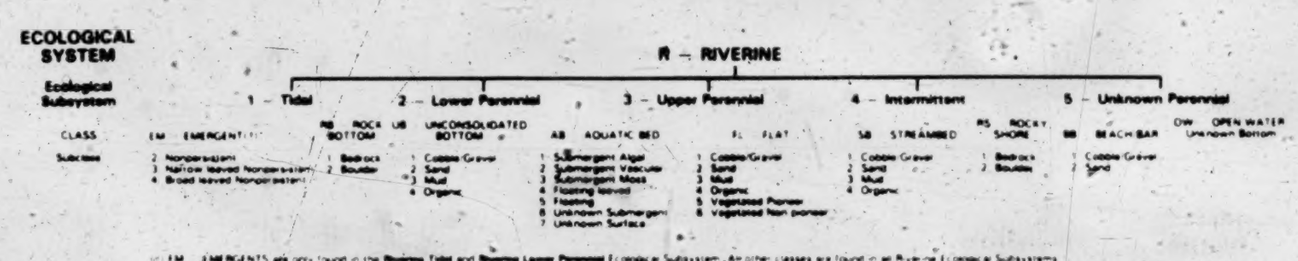


ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass



ECOLOGICAL SYSTEM
Ecological Subsystem



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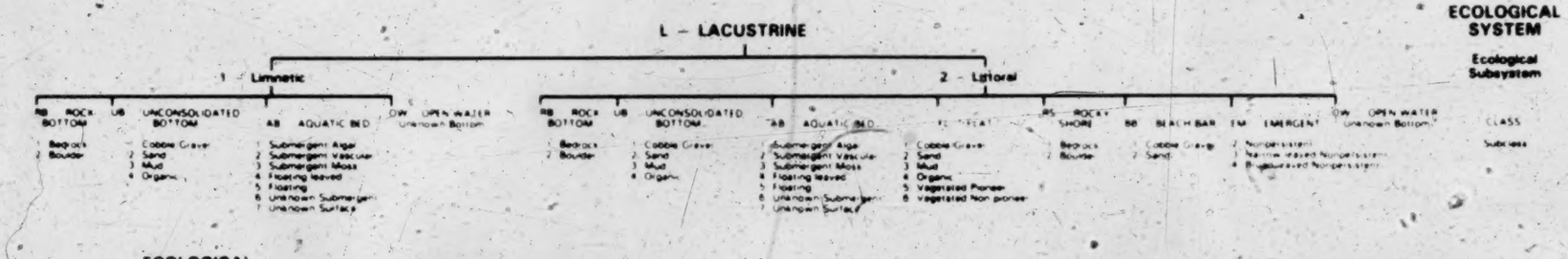
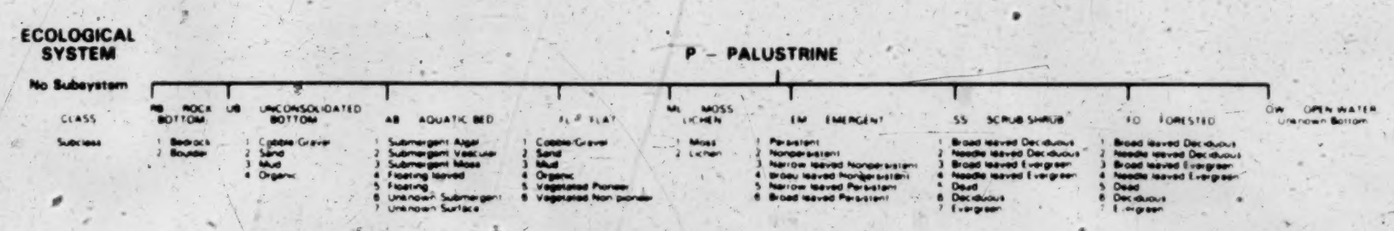


ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass



MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system

WATER REGIME(1)

Non-Tidal

A	Temporary	
B	Saturated	
C	Seasonal	
D	Seasonal Well Drained	
E	Seasonal Saturated	
F	Semipermanent	
G	Intermittently Exposed	
H	Permanent	
J	Intermittently Flooded	
K	Artificial	
Z	Intermittently, Exposed/Permanent	
VH	Intermittently Flooded/Temporary	
Y	Saturated/Semipermanent/Seasonal	
U	Unknown	

Tidal

R	Seasonal Tidal	
S	Temporary Tidal	
T	Semipermanent Tidal	
V	Permanent Tidal	
U	Unknown	
K	Artificial	
L	Subtidal	
M	Irregularly Exposed	
N	Regular	
P	Irregular	

WATER CHEMISTRY

Coastal Salinity

1	Hyperhaline
2	Euhaline
3	Mixohaline (Brackish)
4	Polyhaline
5	Mesohaline
6	Oligohaline
0	Fresh

Inland Salinity

7	Hypersaline
8	Eusaline
9	Mixosaline
0	Fresh

pH Modifiers for all Fresh Water

a	Acid
i	Circumneutral
j	Alkaline

SOIL

g	Organic
n	Mineral

SPECIAL MODIFIERS

b	Beaver
d	Partially Drained/Ditched
f	Farmed
h	Diked/Impounded
r	Artificial
s	Spoil
x	Excavated

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source

SPECIAL NOTE

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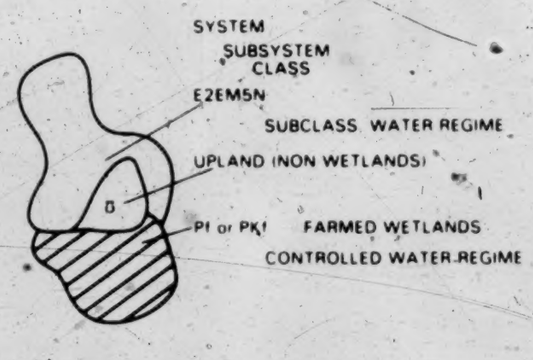
SYMBOLOGY EXAMPLE



NOTES TO THE USER

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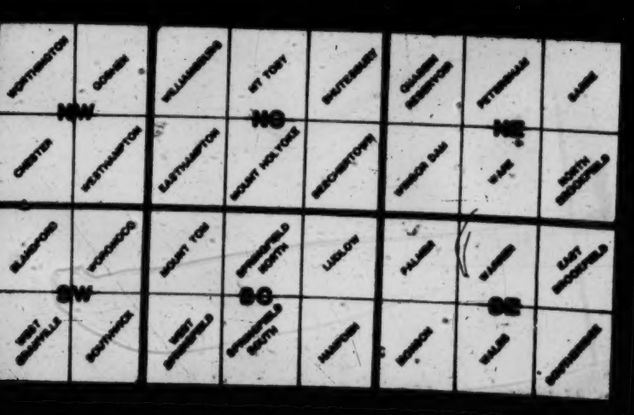
MICROFICHE INDEX
ALBANY (SE)
HOLYOKE



NATIONAL WETLANDS INVENTORY

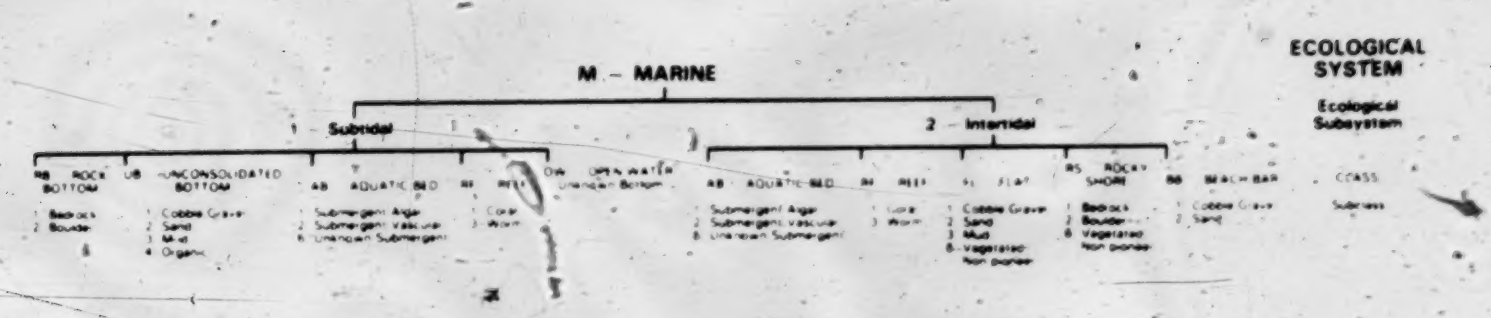
UNITED STATES DEPARTMENT OF THE INTERIOR

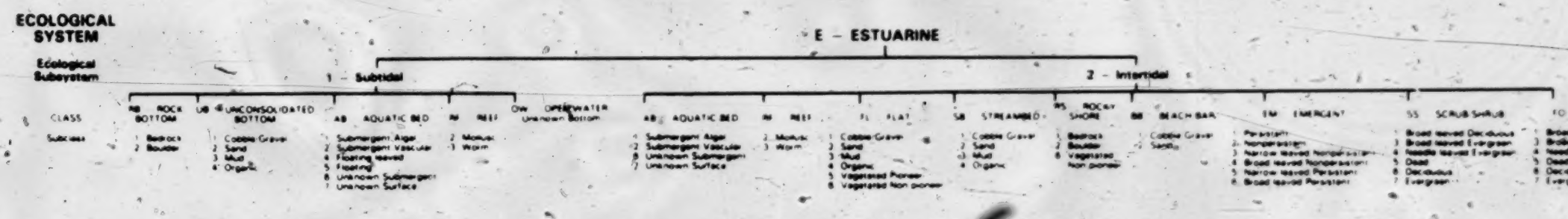
3ALB-10

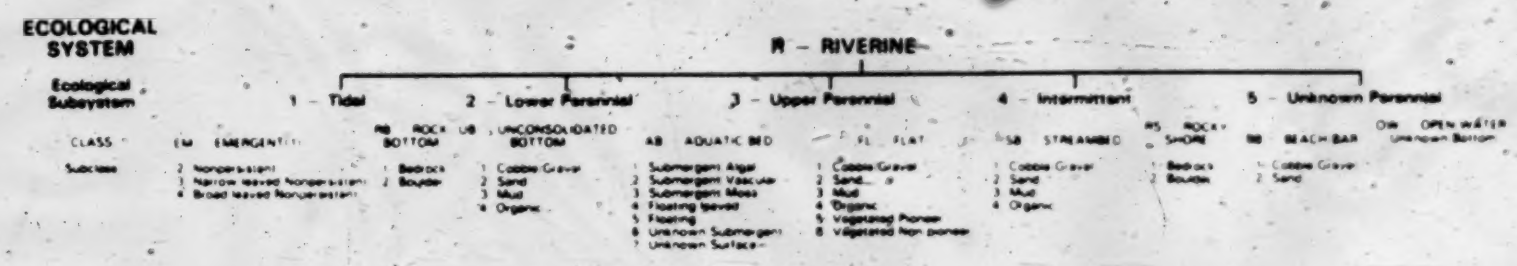
POWZ
PFOIE
PEMF
PEMB
PSSIY
PEMY
PFOIY
POWH
PSSIE
PEMF
PFOIE
POWZ
PFOIE
PEMB
PSSIE
PEMF
POWZ
PFOIE
PEMB
PSSIE
PEMF
POWZ
PFOIE
PEMB
PSSIE
PEMF

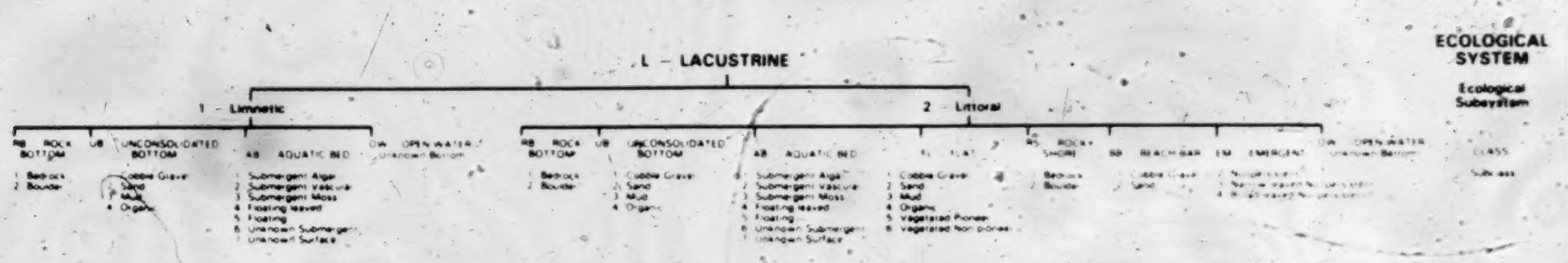
WETLAND LEGEND

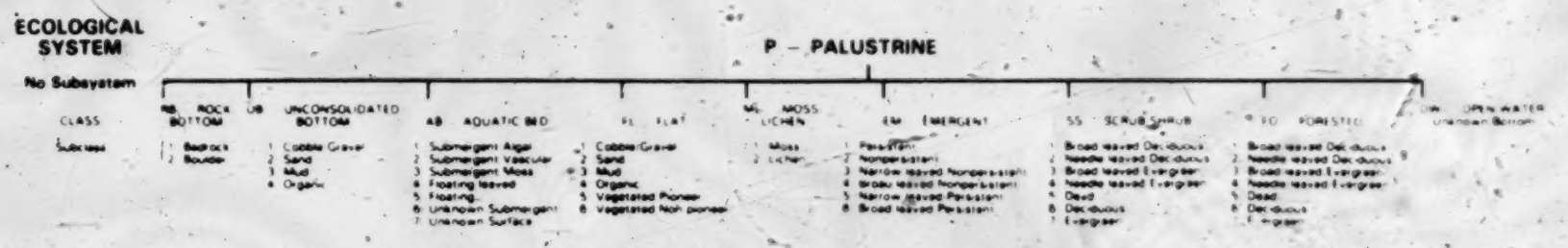
U – Primarily represents **upland** areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions











MODIFYING TERMS

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WATER REGIME(1)

Non-Tidal

- A Temporary
- B Saturated
- C Seasonal
- D Seasonal Well drained
- E Seasonal Saturated
- F Semipermanent
- G Intermittently Exposed
- H Permanent
- J Intermittently Flooded
- K Artificial
- Z Intermittently Exposed/Permanent
- W Intermittently Flooded/Temporary
- Y Saturated/Semipermanent/Seasonal
- U Unknown

Tidal

- R Seasonal Tidal
- S Temporary Tidal
- T Semipermanent Tidal
- V Permanent Tidal
- U Unknown

- L Subtidal
- M Irregularly Exposed
- N Regular
- P Irregular

WATER CHEMISTRY

Coastal Salinity

- 1 Hyperhaline
- 2 Euhaline
- 3 Mixohaline (Brackish)
- 4 Polyhaline
- 5 Mesohaline
- 6 Oligohaline
- 0 Fresh

Inland Salinity

- 7 Hypersaline
- 8 Eusaline
- 9 Mixosaline
- 0 Fresh

pH Modifiers for all Fresh Water

- a Acid
- b Circumneutral
- c Alkaline

SOIL

- q Organic
- r Mineral

SPECIAL MODIFIERS

- b Beaver
- d Partially Drained/Ditched
- f Farmed
- h Diked/Impounded
- n Artificial
- s Spoil
- x Excavated

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

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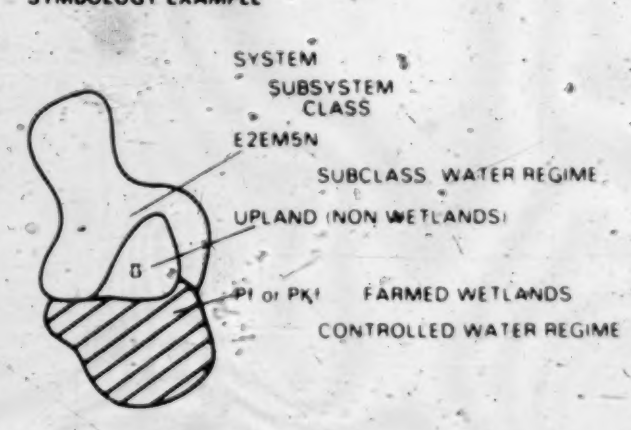
SYMBOLOGY EXAMPLE



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MICROFICHE INDEX
ALBANY (SE)
HOLYOKE

NORTHAMPTON	CONWAY	WILLIAMSBURG	MT TOM	SHUTESBURY	QUABBIN RESERVOIR	PETERSHAM	BARRE
NW			NC			NE	
CHESTER	HUNTINGTON	EASTHAMPTON	MOUNT HOLYOKE	BELCHERTOWN	RIDGE DAM	WARE	NORTH BROOKFIELD
BLANDFORD	WORTHINGTON	MOUNT TOM	SPRINGFIELD SOUTH	LUDLOW	PALMER	WARREN	EAST BROOKFIELD
SW		SC				SE	
WEST GRANVILLE	SOUTHWICK	WEST SPRINGFIELD	SPRINGFIELD SOUTH	HAMPDEN	HOLLAND	WILBRAHAM	SOUTHBRIDGE

4 6 2 2

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3ALB-5

New Salem

Packard Mtn

North Prescott

Mount Lincoln

Soapstone Hill

Mount Zion

Mt Pomeroy

SHUTESBURY STATE FOREST

FRANKLIN CO WORCESTER

WOMENS CLUB

NEW SALEM

QUABBIN RESERVOIR MASS

SCALE 1:24000

10/75

11

WETLAND LEGEND

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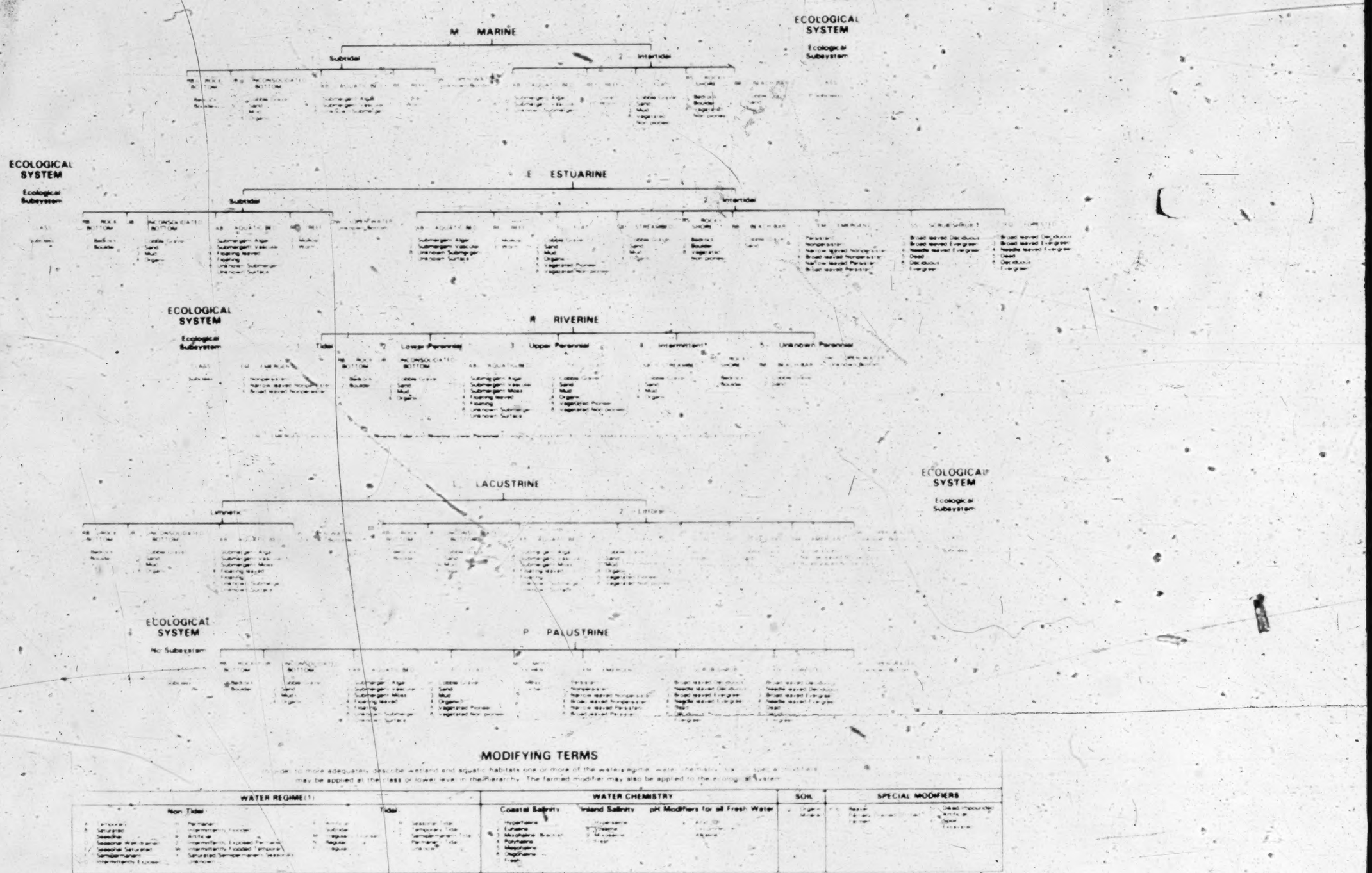

MODIFYING TERMS

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WATER REGIME(1)		WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal	Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Permanently Flooded	Permanent	Hypersaline	Hypersaline		Organic	Beaver
B Saturated	Intermittently Flooded	Eusaline	Eusaline		Mineral	Partly Drained/Ditched
C Seasonally Flooded	Artificial	Mixohaline (Brackish)	Oligosaline	Alkaline		Diked/Impounded
D Seasonal Well Drained	Intermittently Exposed/Permanent	Polyhaline	Fresh			Artificial
E Seasonal Saturated	Intermittently Flooded/Temporary	Mesohaline				Spoil
F Semipermanently	Saturated/Semipermanent/Seasonal	Oligohaline				Excavated
G Intermittently Exposed	Artificial	Fresh				

(1) Information on the water regime modifiers found in this legend but not found in the classification system may be obtained from the above listed source.

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SYMBOLOGY EXAMPLE

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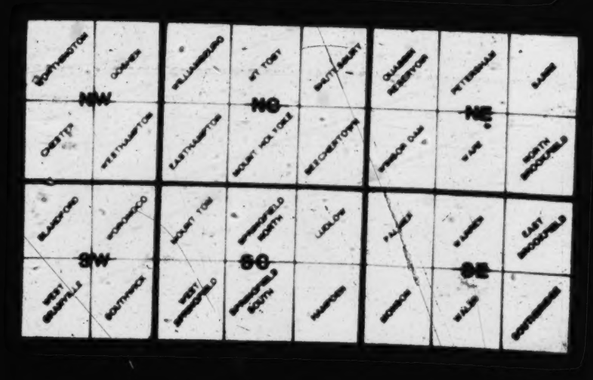
MICROFICHE INDEX
ALBANY (SE)
HOLYOKE



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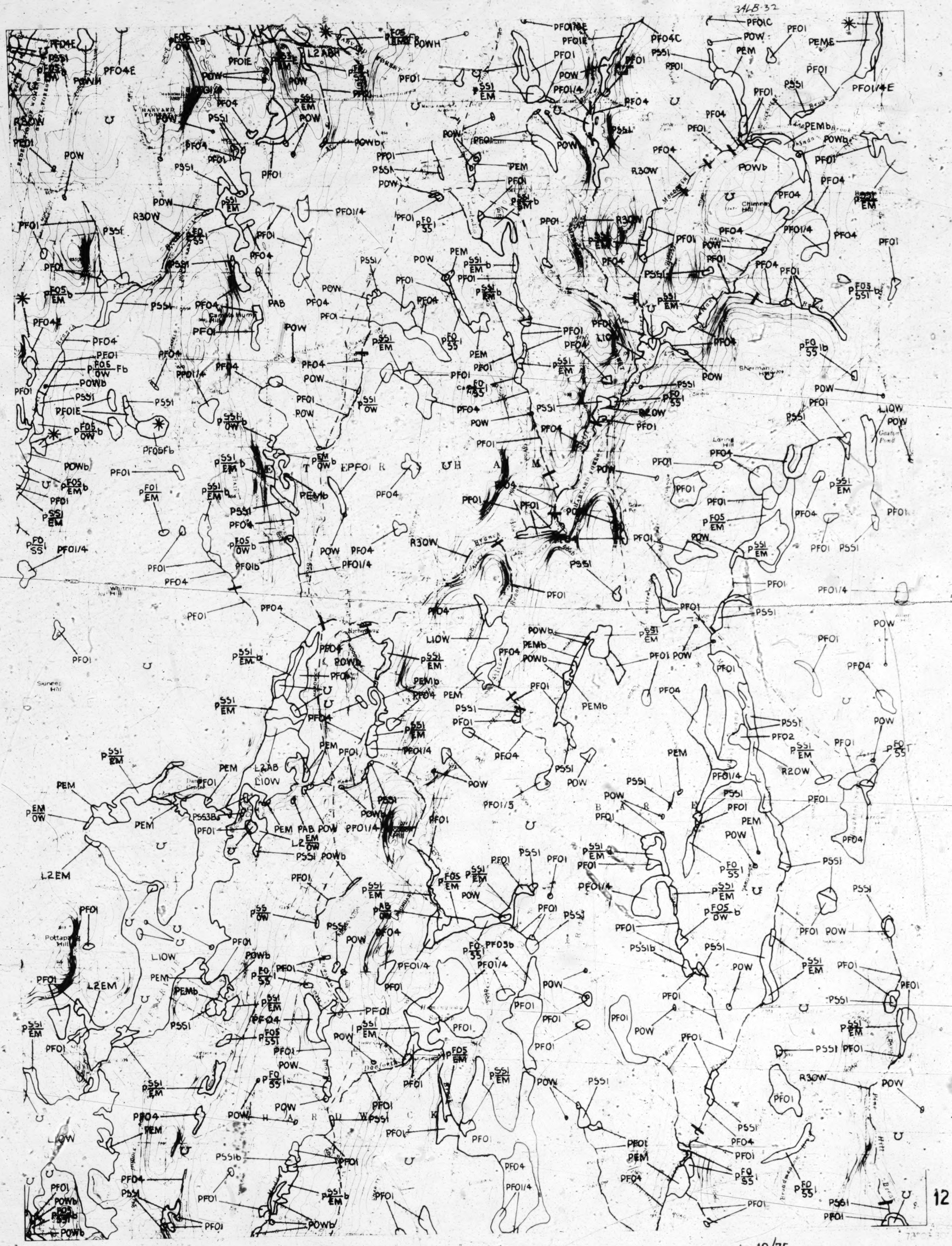
NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3ALB-32


PFO4E
PSS1
PEM
POWH
POW
PFO1E
PFO4
PFO1
PSS1EM
POWb
PFO1/4
R30W
PAB
PEMb
L2AB
L1OW
L2EM
PFO6Fb
PFO1C
PEMC
PFO1/4E
PFO4C
PFO1/5
PSS1b
PFO2
PFO3b
R2OW
PEMb
PSS1C
PSS1Cb
PSS1/EM
PSS1EMb
PSS1/EMb
PSS1Fb
PSS1/EMC
PSS1/EMCb
PSS1EMC
PSS1EMCb
PSS1/EMFb
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PSS1/EMH
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PSS1/EMDb
PSS1EMDb
PSS1/EME
PSS1EME
PSS1/EMEb
PSS1EMEb
PSS1/EMF
PSS1EMF
PSS1/EMFb
PSS1EMFb
PSS1/EMG
PSS1EMG
PSS1/EMGb
PSS1EMG

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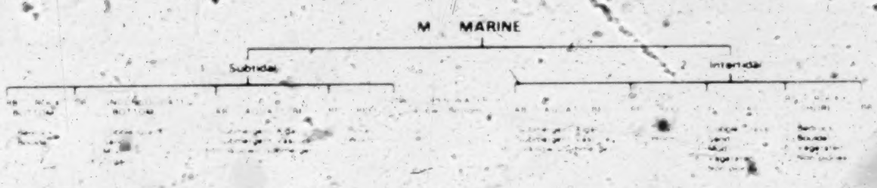
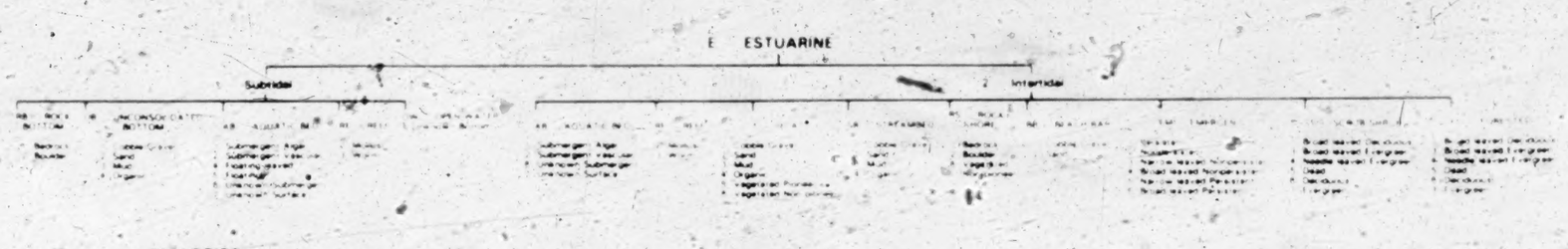
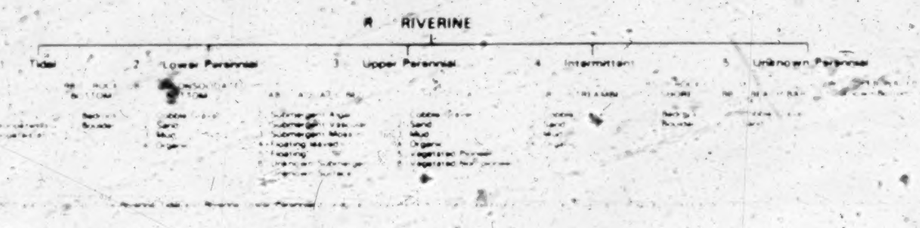


ECOLOGICAL SYSTEM
Ecological Subsystem

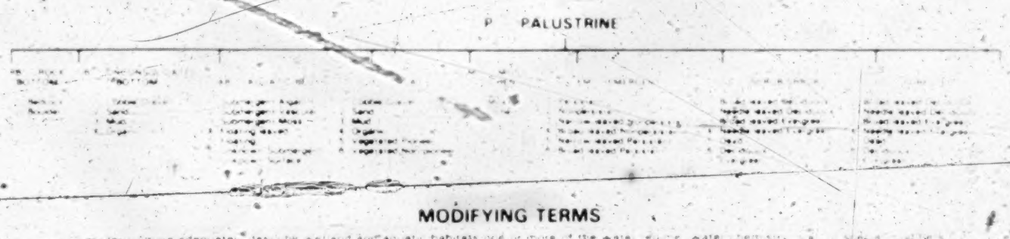


ECOLOGICAL SYSTEM
Ecological Subsystem



ECOLOGICAL SYSTEM
Ecological Subsystem

ECOLOGICAL SYSTEM
No Subsystem



MODIFYING TERMS

Water regime modifiers are used to describe the frequency and duration of surface water. Salinity and pH modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)		WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal	Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
Permanently Flooded	Permanently Flooded	Hypersaline	Hypersaline	Acid	Organic	Farmed
Intermittently Exposed	Intermittently Flooded	Eusaline	Eusaline	Circumneutral	Mineral	Partly Farmed
Semipermanently Flooded	Regularly Flooded	Mixohaline (Brackish)	Mixosaline	Alkaline		Diked/Impounded
Seasonally Flooded	Irregularly Flooded	Polyhaline	Oligosaline			
Saturated	Permanently Flooded-Tidal	Mesohaline	Fresh			
Artificially Flooded	Seasonally Flooded-Tidal	Oligohaline				
Intermittently Flooded	Temporarily Flooded-Tidal	Fresh				
Permanently Flooded	Saturated-Semipermanently Flooded					
	Artificially Flooded					

(1) Information on the water regime modifiers found on this chart but not found on the maps may be obtained from the user.

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SYMBOLOGY EXAMPLE

NOTES TO THE USER

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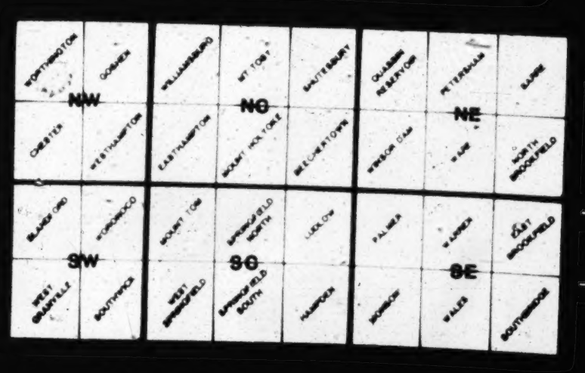
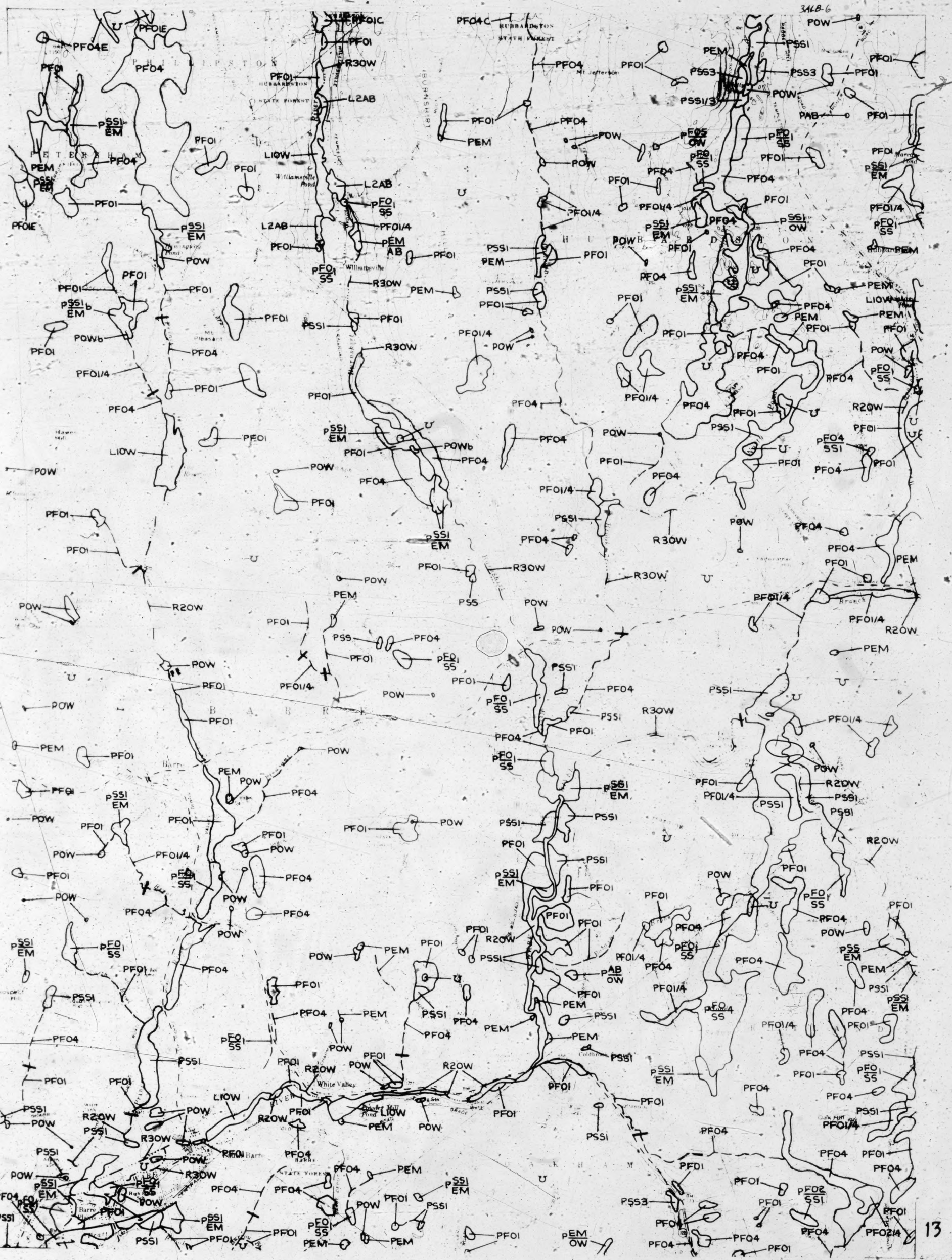
MICROFICHE INDEX
ALBANY (SE)
HOLYOKE



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR


3ALB-6
PHILLIPSTON
PETERSHAM
HUBBARDSTON
STATE FOREST
Mt Jefferson
BURNSHIRT
Williamsville Pond
Williamsville
Mt Pleasant
Harwood Hill
Marrett Pond
Coldbrook
White Valley
Barre
Barre Falls
Barre Falls Dam
Ware River
PF04C
PF01C
PF01E
PF04E
PF01
PF04
PEM
PSS1
EM
POW
PSS1/3
PSS3
PAB
PFO1
SS
PFO4
SS1
PFO1/4
PSS1
OW
PEM
AB
PFO1
SS
L2AB
L10W
R30W
R20W
POWb
PSS
PFO2
SS1
PEM
OW
PSS1
PFO4
SS1
PFO1
SS
PEM
AB
PAB
OW
PEM
PFO1
SS
PFO4
SS1
PFO2
SS1
PEM
OW
PSS3
PFO1
SS
PFO1/4
PSS
PFO4
PFO1
SS
PFO1/4
PSS1
EM
PFO1
SS
PSS1
EM
PFO1
SS
PSS1
EM
PFO1
SS

WETLAND LEGEND

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M MARINE

Subtidal | Intertidal

ECOLOGICAL SYSTEM
Ecological Subsystem

E ESTUARINE

Subtidal | Intertidal

ECOLOGICAL SYSTEM
Ecological Subsystem

R RIVERINE

Tidal | Lower Perennial | Upper Perennial | Intermittent | Unknown Perennial

ECOLOGICAL SYSTEM
Ecological Subsystem

L LACUSTRINE

Limnetic | Littoral

ECOLOGICAL SYSTEM
Ecological Subsystem

ECOLOGICAL SYSTEM
No Subsystem

P PALUSTRINE

MODIFYING TERMS

... to more adequately describe wetland and aquatic habitats, one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal		Tidal		Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
Saturated Seasonal Seasonal Well Drained Seasonal Saturated Semipermanent Intermittently Exposed	Permanent Intermittently Flooded Artificial Intermittently Flooded Permanent Permanently Flooded-Permanent Saturated Semipermanent-Seasonal	Subtidal Irregular Regular	Irregular Tidal Permanent Tidal	Hypersaline Eusaline Mixohaline (Brackish) Polyhaline Mesohaline Oligohaline Fresh	Hypersaline Eusaline Mixohaline Fresh	Acid Circumneutral Alkaline	Organic Mineral	Special Impounding Partially Drained/Ditched Artificial Diked Farmed

(1) Water regime modifiers are not applicable to the classes Rock Bottom, Unconsolidated Shore, Moss-Lichen Wetland, and Aquatic Bed.

SPECIAL NOTE

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SYMBOLOGY EXAMPLE

NOTES TO THE USER

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MICROFICHE INDEX
ALBANY (SE)
HOLYOKE

4 16 2 15

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

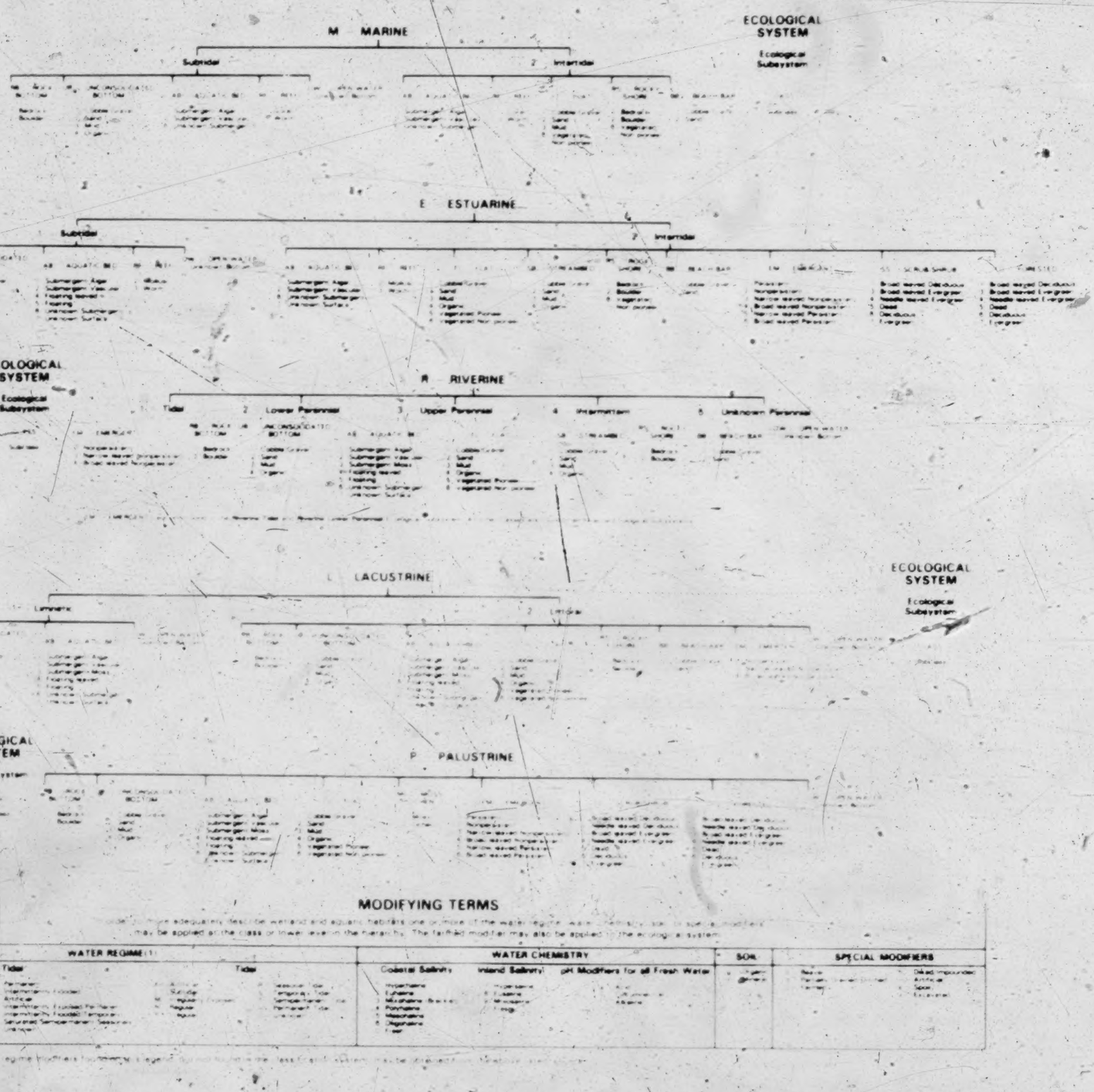
3ALB-11

14

10/75

WETLAND LEGEND

U Primarily represents upland areas, but may include unclassified wetlands such as man modified areas, non photo identifiable areas and/or unintentional omissions



MODIFYING TERMS

WATER REGIME (1)				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS	
Non Tidal		Tidal		Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water			
A Artificial	H Permanent	K Artificial	V Permanent Tidal	Hypersaline	Hypersaline	Acid	Organic	b Beaver	h Diked/Impounded
B Saturated	J Intermittently Exposed	L Subtidal		Eusaline	Eusaline	Alkaline	Mineral	d Partly Drained/Ditched	r Artificial
C Seasonal	K Artificial	M Irregularly Exposed		Mixosaline	Mixosaline			f Farmed	s Spoil
D Temporary		N Regularly Flooded		Polyhaline	Polyhaline			x Excavated	
E Saturated/Temporary		P Irregularly Flooded		Mesohaline	Mesohaline				
F Intermittently Exposed/Permanent				Oligohaline	Oligohaline				
G Intermittently Exposed				Fresh	Fresh				

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SYMBOLOGY EXAMPLE

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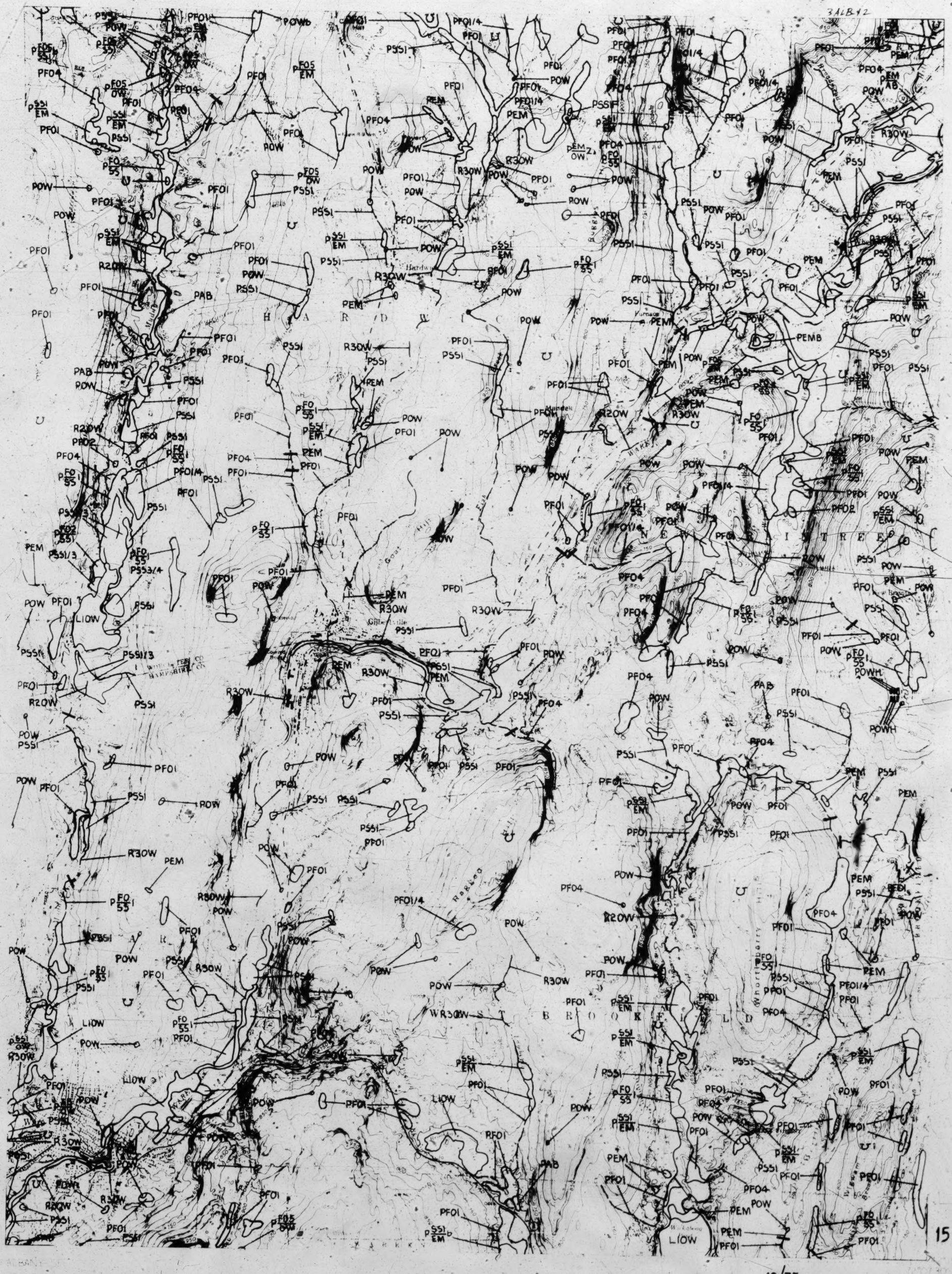
MICROFICHE INDEX
ALBANY (SE)
HOLYOKE

4 16 2 16

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



10/75

WETLAND LEGEND

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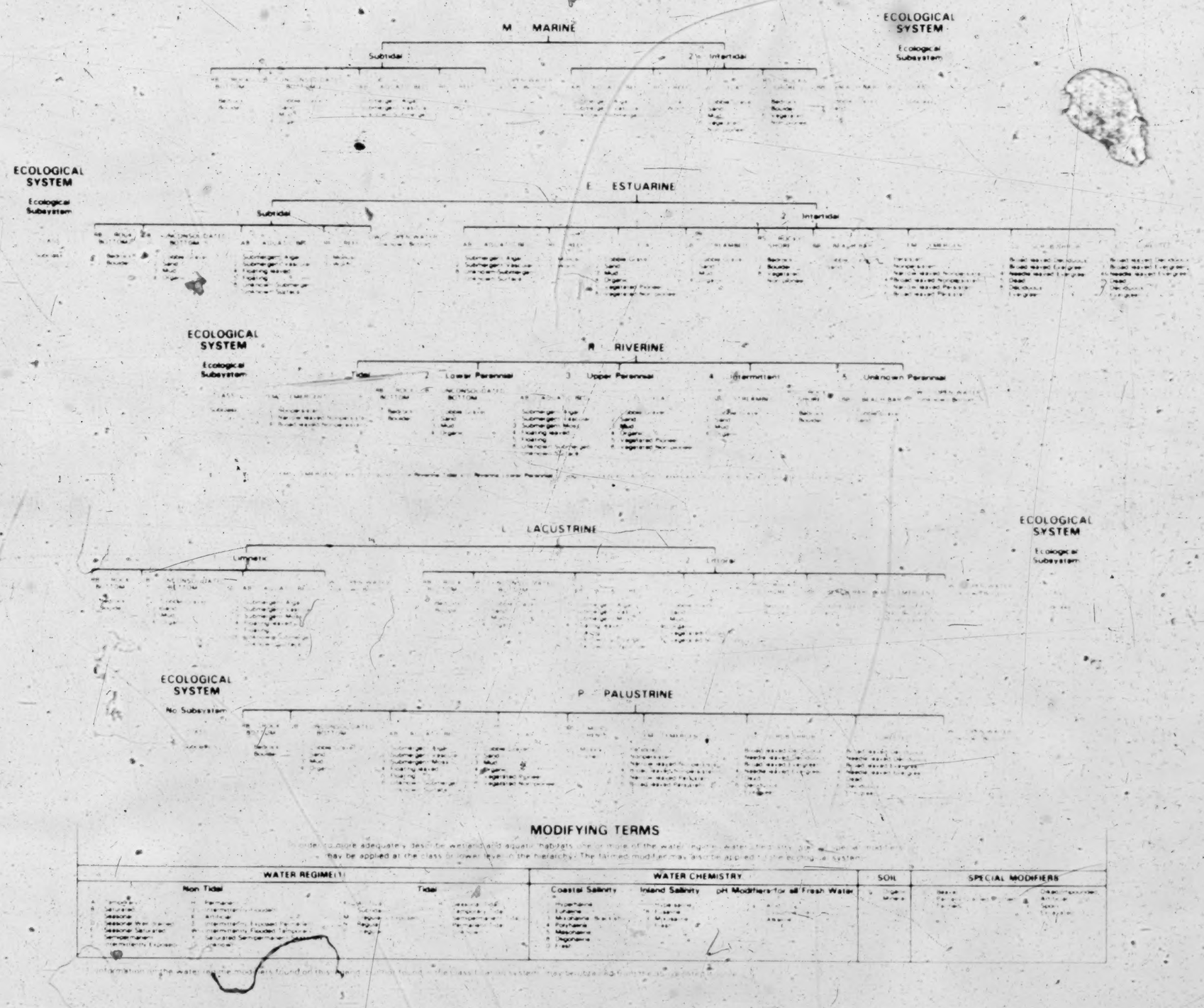

MODIFYING TERMS

Modifiers more adequately describe wetland and aquatic habitats. One or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The tailored modifiers may also be applied to the ecological system.

WATER REGIME(1)						WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS	
Non Tidal			Tidal			Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water			
A Permanent	F Permanent	K Artificial	G Regularly Flooded	P Irregularly Exposed		1 Hyperhaline	5 Hyposaline	6 Acid		d Partially Drained/Ditched	x Excavated
B Saturated	G Intermittently Exposed		H Irregularly Flooded			2 Euhaline	6 Mixosaline	7 Circumneutral		h Diked/Impounded	
C Seasonal	H Semipermanently Flooded					3 Mixohaline (Brackish)		8 Alkaline		f Farmed	
D Temporary	J Intermittently Flooded					4 Polyhaline				r Artificial Substrate	
E Intermittently Exposed						5 Mesohaline				s Spoil	
						6 Oligohaline					
						7 Fresh					

(1) Information on the water regime modifiers found on this map may not fully reflect the classification system. Refer to text for more detail.

SPECIAL NOTE

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SYMBOLOGY EXAMPLE

NOTES TO THE USER

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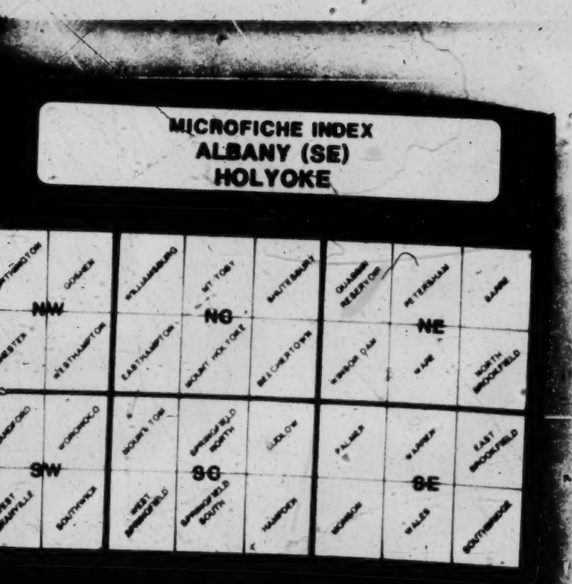
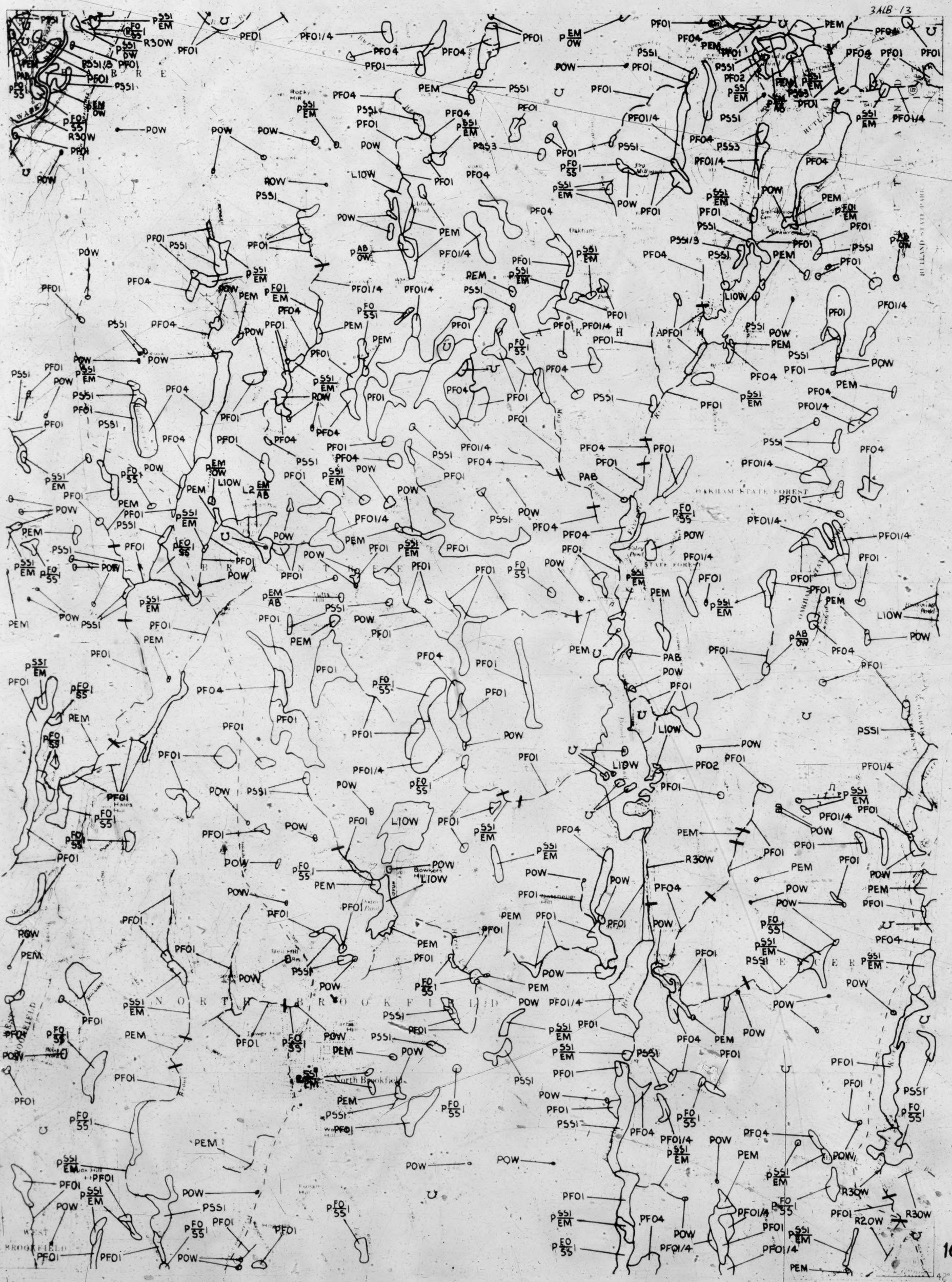


4 16 2 13

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3ALB-13


NORTH BROOKFIELD
WEST BROOKFIELD
EAST BROOKFIELD
BARRE
OAKHAM STATE FOREST
PEM
PFO1
PSS1
POW
PFO4
PFO1/4
L10W
R30W
PAB
PFO2
PSS1/3
PSS3
PEM/OW
PSS1/OW
PFO1/OW
PAB/OW
PEM/AB
L2EM/AB
PSS1/EM
PFO1/EM
PFO1/55
PFO4/55
PEM/OW
PSS1/OW
PFO1/OW
PAB/OW
PEM/AB
L2EM/AB
PSS1/EM
PFO1/EM
PFO1/55
PFO4/55
R30W
R20W
L10W
PAB
PFO2
PSS1/3
PSS3
PFO1/4
PEM
PFO1
PSS1
POW
PFO4
PFO1/4
L10W
R30W
PAB
PFO2
PSS1/3
PSS3

WETLAND LEGEND

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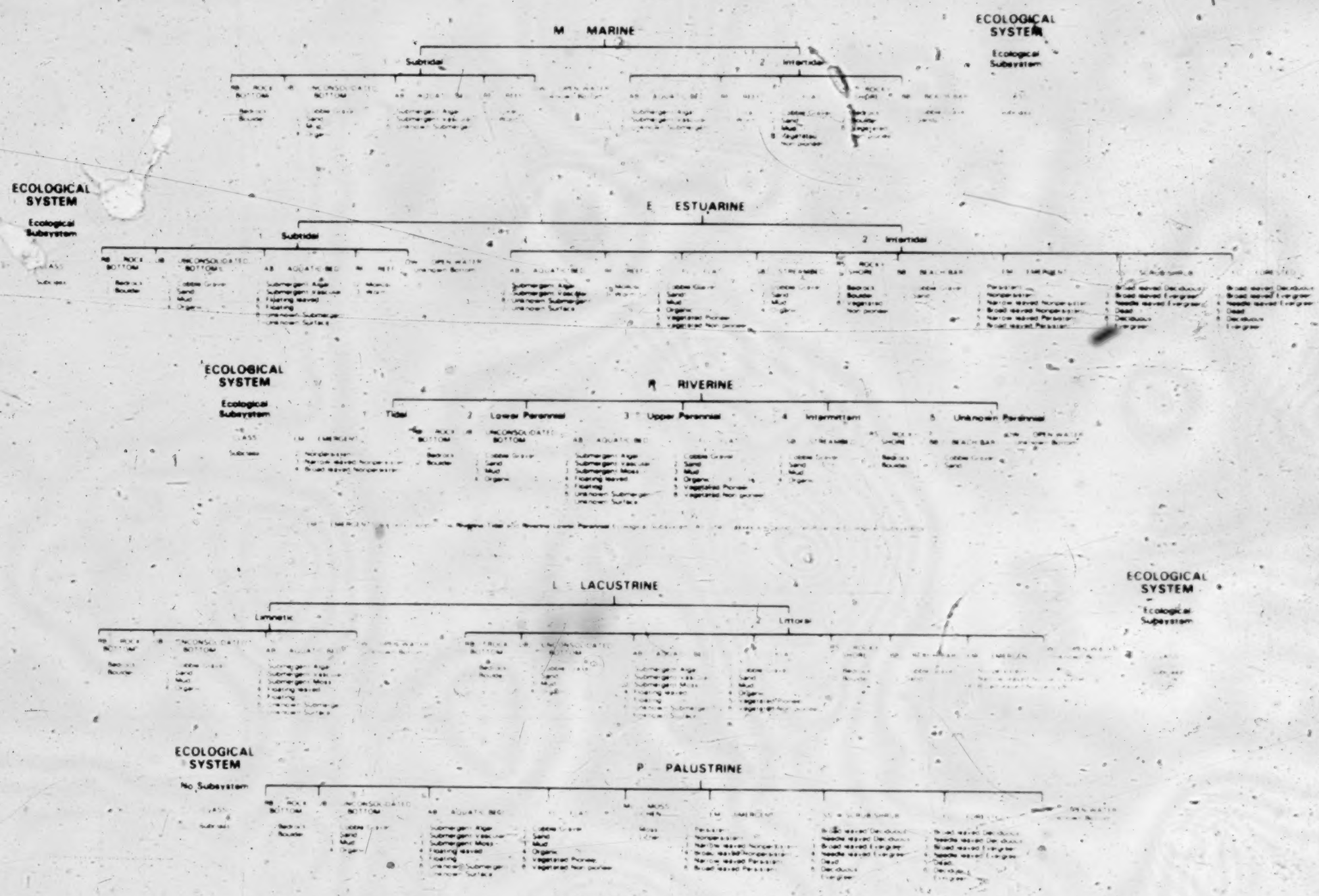

MODIFYING TERMS

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WATER REGIME(1)												WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS	
Non Tidal						Tidal						Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water			
A Temporary		F Permanent		K Artificial		U Subtidal		Z Intermittently Exposed				1 Hypersaline	7 Hypersaline	6 Acid		h Diked/Impounded	
B Saturated		G Intermittently Flooded				V Irregular						2 Eusaline	8 Eusaline	5 Circumneutral		k Artificial	
C Seasonal		H Artificially Flooded				W Permanent						3 Mixohaline (Brackish)	9 Mixosaline	4 Alkaline		r Partially Drained/Ditched	
E Seasonal/Saturated		J Intermittently Exposed/Permanent				X Intermittently Exposed/Artificial						4 Polyhaline	0 Fresh			x Excavated	
F Semipermanent		K Intermittently Flooded/Artificial										5 Mesohaline					
G Intermittently Exposed		U Intermittently Exposed/Saturated										6 Oligohaline					
H Permanently Flooded												0 Fresh					

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

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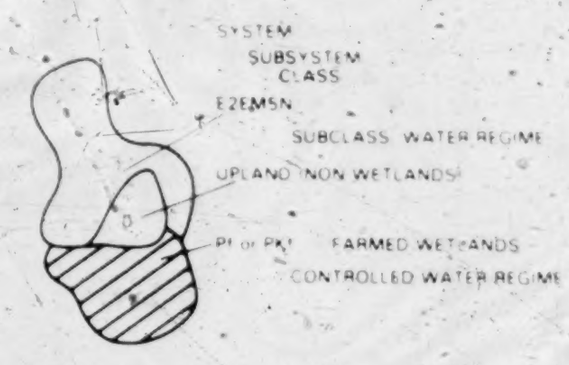
SYMBOLOGY EXAMPLE



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MICROFICHE INDEX
ALBANY (SE)
HOLYOKE

SOUTHAMPTON	CHESTER	PALMER	ST. CROIX	SOUTHWICK	GRANBY (NORTH)	AGAWAM	LUDLOW
NW			NC			NE	
CHESTER	WESTHAMPTON	EASTHAMPTON	MOUNT HOLYOKE	SOUTHWICK	WINDSOR DAM	HOLYOKE	WEST SPRINGFIELD
BLANDFORD	HUNTINGTON	MOUNT TOM	SPRINGFIELD (NORTH)	LUDLOW	PALMER	GRANBY	EAST SPRINGFIELD
SW		SC				SE	
WEST SPRINGFIELD	SOUTHWICK	WEST SPRINGFIELD	SPRINGFIELD (SOUTH)	HAMPDEN	WORCESTER	HOLYOKE	SPRINGFIELD

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3418-29

ALBANY SE
HOLYOKE

17

42°07'30"
72°52'30"

10/75

BLANDFORD, MASS

SCALE 1:24000

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

WETLAND LEGEND

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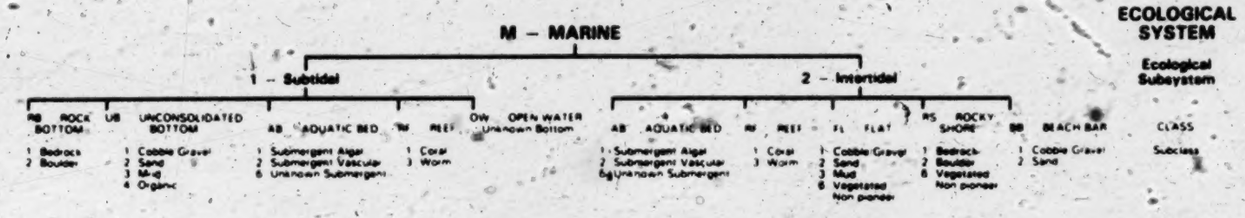
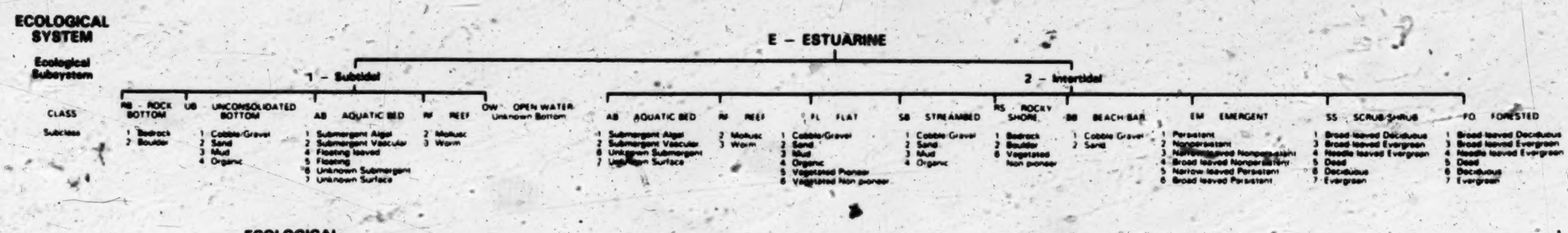
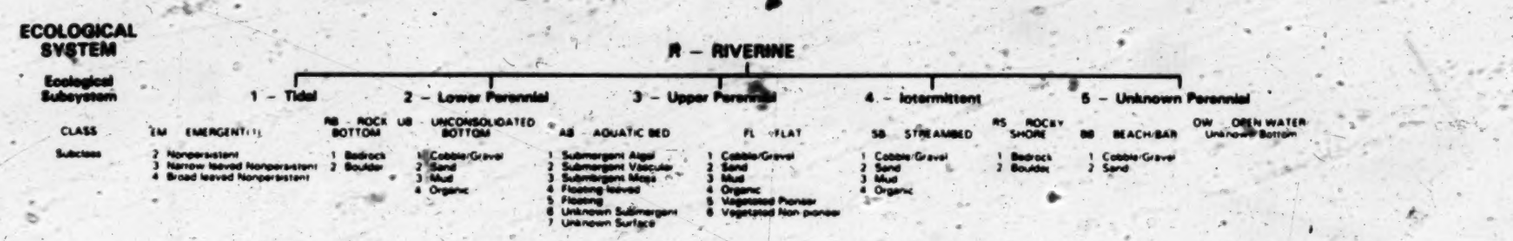
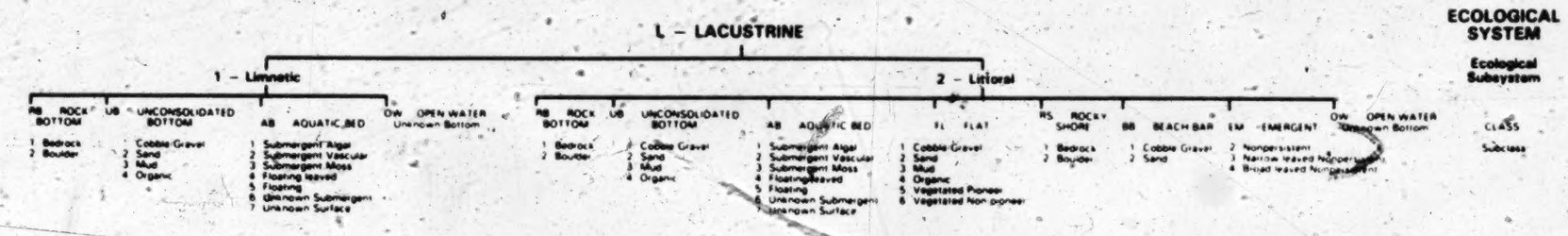
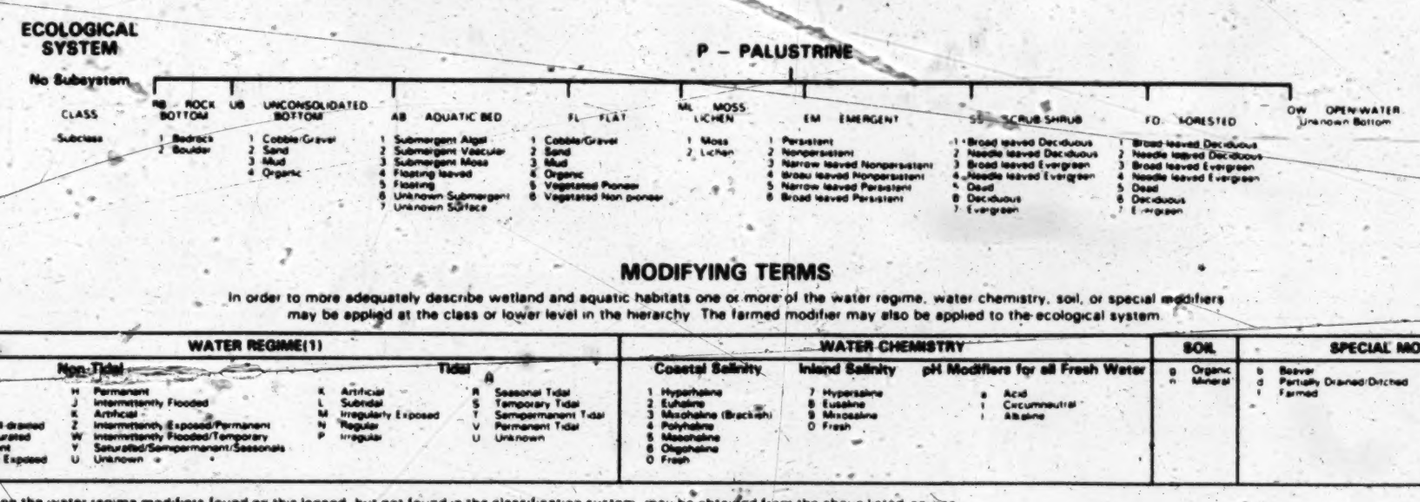






(1) EM – EMERGENTS are only found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. All other classes are found in all Riverine Ecological Subsystems.





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WATER REGIME(1)

Non-Tidal
- A Temporary
- B Saturated
- C Seasonal
- D Seasonal Well-drained
- E Seasonal Saturated
- F Semipermanent
- G Intermittently Exposed
- H Permanent
- J Intermittently Flooded
- K Artificial
- Z Intermittently Exposed/Permanent
- W Intermittently Flooded/Temporary
- Y Saturated/Semipermanent/Seasonal
- U Unknown

Tidal
- K Artificial
- L Subtidal
- M Irregularly Exposed
- N Regular
- P Irregular
- R Seasonal Tidal
- S Temporary Tidal
- T Semipermanent Tidal
- V Permanent Tidal
- U Unknown

WATER CHEMISTRY

Coastal Salinity
- 1 Hyperhaline
- 2 Euhaline
- 3 Mesohaline (Brackish)
- 4 Polyhaline
- 5 Mixohaline
- 6 Oligohaline
- 0 Fresh

Inland Salinity
- 7 Hypersaline
- 8 Eusaline
- 9 Mixosaline
- 0 Fresh

pH Modifiers for all Fresh Water
- a Acid
- i Circumneutral
- i Alkaline

SOIL
- o Organic
- n Mineral

SPECIAL MODIFIERS
- b Beaver
- d Partially Drained/Ditched
- f Farmed
- h Diked/Impounded
- r Artificial
- s Spoil
- x Excavated

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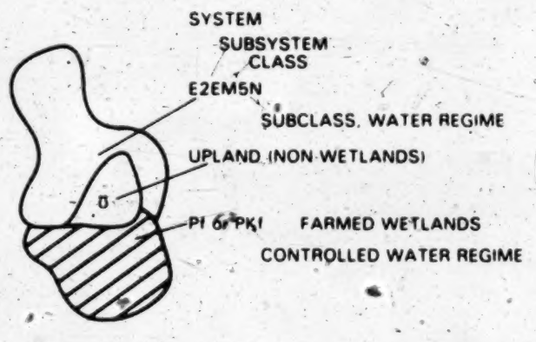

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NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3ALB-14

18

42°07'30"

72°45'

ALBANY SE
HOLYOKE

10/75

WORONOCO, MASS

SCALE 1:24000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

WETLAND LEGEND

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M – MARINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Subtidal

2 – Intertidal

	RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	RF REEF	OW OPEN WATER Unknown Bottom	AB AQUATIC BED	RF REEF	FL FLAT	RS ROCKY SHORE	BB BEACH BAR	CLASS
	1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent	1 Coral 3 Worm		1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent	1 Coral 3 Worm	1 Cobble/Gravel 2 Sand 3 Mud 6 Vegetated Pioneer	1 Bedrock 2 Boulder 6 Vegetated non pioneer	1 Cobble Gravel 2 Sand	Subclass

E – ESTUARINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Subtidal

2 – Intertidal

CLASS	RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	RF REEF	OW OPEN WATER Unknown Bottom	AB AQUATIC BED	RF REEF	FL FLAT	SB STREAMBED	RS ROCKY SHORE	BB BEACH/BAR	EM EMERGENT	SS SCRUB/SHRUB	FO FORESTED
Subclass	1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	2 Mollusc 3 Worm		1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent 7 Unknown Surface	2 Mollusc 3 Worm	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 6 Vegetated Pioneer 8 Vegetated Non pioneer	1 Cobble/Gravel 3 Sand 4 Organic	1 Bedrock 2 Boulder 6 Vegetated Non pioneer	1 Cobble Gravel 2 Sand	1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

R – RIVERINE

ECOLOGICAL SYSTEM

Ecological Subsystem

	1 – Tidal	2 – Lower Perennial	3 – Upper Perennial	4 – Intermittent	5 – Unknown Perennial
CLASS	EM EMERGENT(1)	RB ROCK BOTTOM UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED FL FLAT	SB STREAMBED RS ROCKY SHORE	BB BEACH/BAR OW OPEN WATER Unknown Bottom
Subclass	2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent	1 Bedrock 2 Boulder 1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface 1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 6 Vegetated Pioneer 8 Vegetated Non pioneer	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand

(1) EM EMERGENTS are only found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. All other classes are found in all Riverine Ecological Subsystems.

L – LACUSTRINE

ECOLOGICAL SYSTEM

Ecological Subsystem

	1 – Limnetic				2 – Littoral								
	RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	OW OPEN WATER Unknown Bottom	RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	FL FLAT	RS ROCKY SHORE	BB BEACH/BAR	EM EMERGENT	OW OPEN WATER Unknown Bottom	CLASS
	1 Bedrock 2 Boulder	2 Sand 3 Mud 4 Organic	2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface		1 Bedrock 2 Boulder	1 Cobble Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Bedrock 2 Boulder	1 Cobble Gravel 2 Sand	2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent		Subclass

P – PALUSTRINE

ECOLOGICAL SYSTEM

No Subsystem

CLASS	RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	FL FLAT	ML MOSS LICHEN	EM EMERGENT	SS SCRUB/SHRUB	FO FORESTED	OW OPEN WATER Unknown Bottom
Subclass	1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	

MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)

Non-Tidal

A	Temporary	H	Permanent
B	Saturated	J	Intermittently Flooded
C	Seasonal	K	Artificial
D	Seasonal Well-drained	Z	Intermittently Exposed/Permanent
E	Seasonal Saturated	W	Intermittently Flooded/Temporary
F	Semipermanent	Y	Saturated/Semipermanent/Seasonal
G	Intermittently Exposed	U	Unknown

Tidal

K	Artificial	R	Seasonal Tidal
L	Subtidal	S	Temporary Tidal
M	Irregularly Exposed	T	Semipermanent Tidal
N	Regular	V	Permanent Tidal
P	Irregular	U	Unknown

WATER CHEMISTRY

Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water
1 Hyperhaline	7 Hypersaline	a Acid
2 Euhaline	8 Eusaline	i Circumneutral
3 Mesohaline (Brackish)	9 Mesosaline	j Alkaline
4 Polyhaline	0 Fresh	
5 Mesohaline		
6 Oligohaline		
0 Fresh		

SOIL

g	Organic
m	Mineral

SPECIAL MODIFIERS

b	Beaver	h	Diked/Impounded
d	Partially Drained/Ditched	r	Artificial
f	Farmed	s	Spoil
		x	Excavated

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

SPECIAL NOTE

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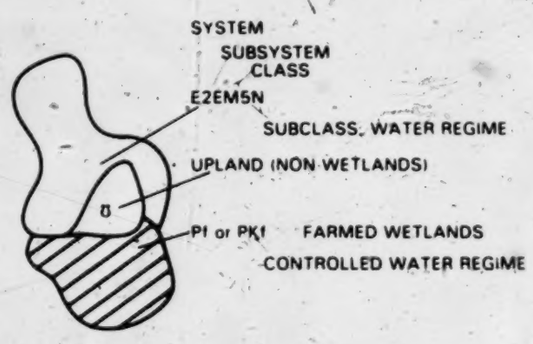
SYMBOLOGY EXAMPLE



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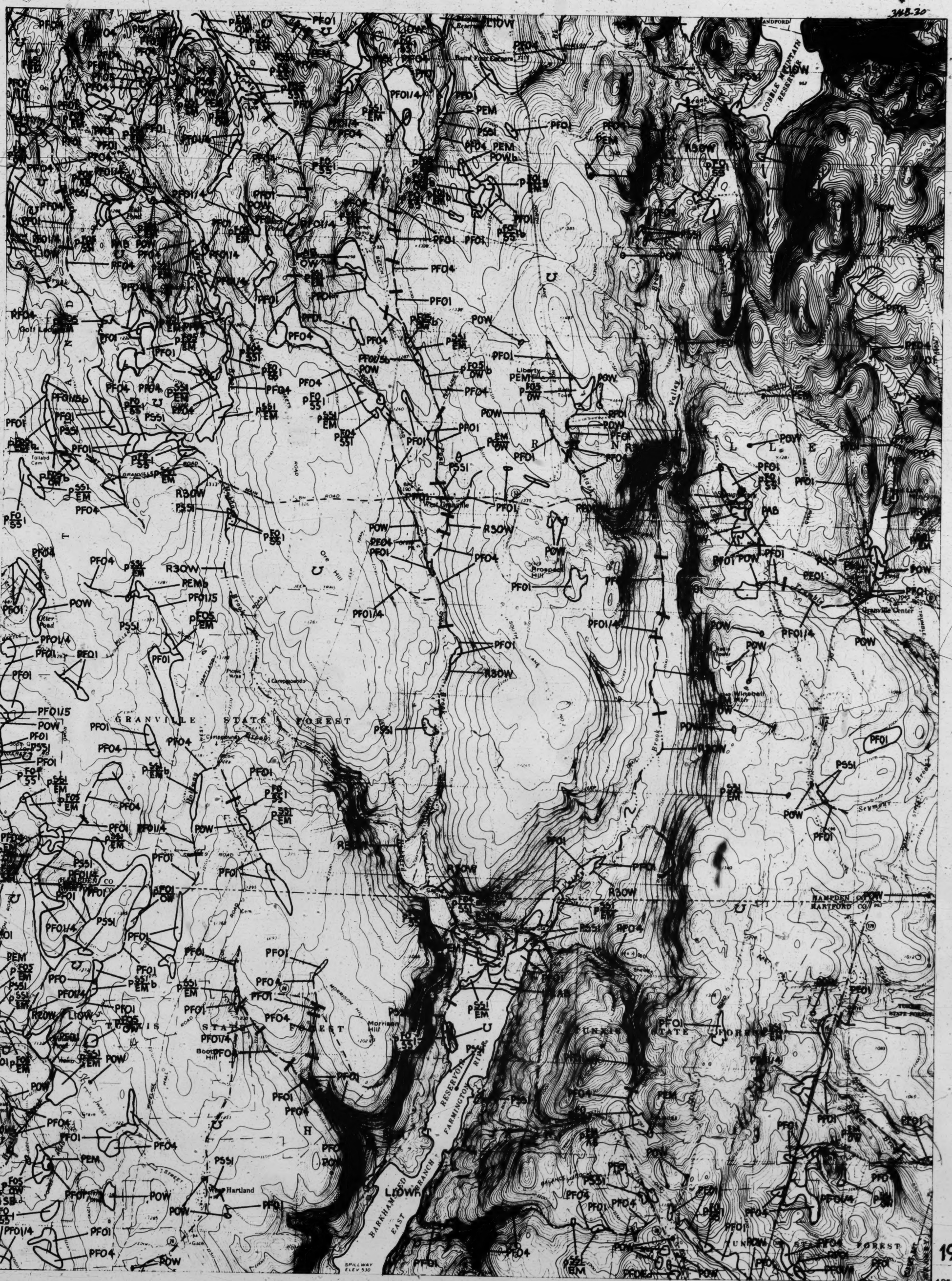
MICROFICHE INDEX
ALBANY (SE)
HOLYOKE

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR


GRANVILLE STATE FOREST
HAMPDEN CO
HARTFORD CO
Granville Center
Tolland
Hartland
Beech Hill
Prospect Hill
Boot Hill
Morrison Hill
Ore Hill
Coble Mountain Reservoir
Farmington River
West Branch
East Branch
Barkhamsted Reservoir
Spillway Elev 530
Campground Brook
Scraggy Brook
Tunxis State Forest
R30W
R31W
R32W
T1S
T2N
T3N
PFO1
PFO4
PEM
POW
PSS1
PFO1/4
PFO1/5
PEM/POW
PFO/SS1
PFO4/POW
PFO1/4b
PFO1/SS1
PFO4/SS1
PFO1/EM
PFO1/POW
PFO1/SS1
PFO4/EM
PFO4/SS1
PFO1/4/SS1
PFO1/4/EM
PFO1/4/POW
PFO1/5/POW
PFO1/5/EM
PFO1/5/SS1
PFO1/4/5/EM
PFO1/4/5/POW
PFO1/4/5/SS1
PFO1/4/SS1
PFO1/4/EM
PFO1/4/POW
PFO4/SS1
PFO4/EM
PFO4/POW

WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

M – MARINE

1 – Subtidal

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	RF REEF	OW OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent	1 Coral 3 Worm	

2 – Intertidal

AB AQUATIC BED	RF REEF	FL FLAT	RS ROCKY SHORE	BB BEACH BAR
1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent	1 Coral 3 Worm	1 Cobble/Gravel 2 Sand 3 Mud 6 Vegetated Non pioneer	1 Bedrock 2 Boulder 6 Vegetated Non pioneer	1 Cobble Gravel 2 Sand

ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass

E – ESTUARINE

1 – Subtidal

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	RF REEF	OW OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	2 Mollusc 3 Worm	

2 – Intertidal

AB AQUATIC BED	RF REEF	FL FLAT	SB STREAMBED	RS ROCKY SHORE	BB BEACH BAR	EM EMERGENT	SS SCRUB/SHRUB	FO FORESTED
1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent 7 Unknown Surface	2 Mollusc 3 Worm	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Cobble Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder 6 Vegetated Non pioneer	1 Cobble Gravel 2 Sand	1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass

R – RIVERINE

1 – Tidal	2 – Lower Perennial	3 – Upper Perennial	4 – Intermittent	5 – Unknown Perennial

EM EMERGENT(1)	RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	FL FLAT	SB STREAMBED	RS ROCKY SHORE	BB BEACH/BAR	OW OPEN WATER Unknown Bottom
2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent	1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand	

(1) EM EMERGENTS are only found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. All other classes are found in all Riverine Ecological Subsystems.

L – LACUSTRINE

1 – Limnetic

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	OW OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	

2 – Littoral

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	FL FLAT	RS ROCKY SHORE	BB BEACH BAR	EM EMERGENT	OW OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand	2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent	

ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass

P – PALUSTRINE

ECOLOGICAL SYSTEM
No Subsystem
CLASS
Subclass

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	FL FLAT	ML MOSS LICHEN	EM EMERGENT	SS SCRUB/SHRUB	FO FORESTED	OW OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	

MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)

Non-Tidal

A Temporary	H Permanent	
B Saturated	J Intermittently Flooded	
C Seasonal	K Artificial	
D Seasonal Well drained	Z Intermittently Exposed/Permanent	
E Seasonal Saturated	W Intermittently Flooded/Temporary	
F Semipermanent	Y Saturated/Semipermanent/Seasonal	
G Intermittently Exposed	U Unknown	

Tidal

K Artificial	R Seasonal Tidal	
L Subtidal	S Temporary Tidal	
M Irregularly Exposed	T Semipermanent Tidal	
N Regular	V Permanent Tidal	
P Irregular	U Unknown	

WATER CHEMISTRY

Coastal Salinity

1 Hyperhaline	
2 Euhaline	
3 Mixohaline (Brackish)	
4 Polyhaline	
5 Mixohaline	
6 Dysphotaline	
0 Fresh	

Inland Salinity

7 Hypersaline	
8 Eusaline	
9 Mixosaline	
0 Fresh	

pH Modifiers for all Fresh Water

a Acid	
j Circumneutral	
i Alkaline	

SOIL

o Organic	
n Mineral	

SPECIAL MODIFIERS

b Beaver	h Diked/Impounded
d Partially Drained/Ditched	r Artificial
f Farmed	s Spoil
	x Excavated

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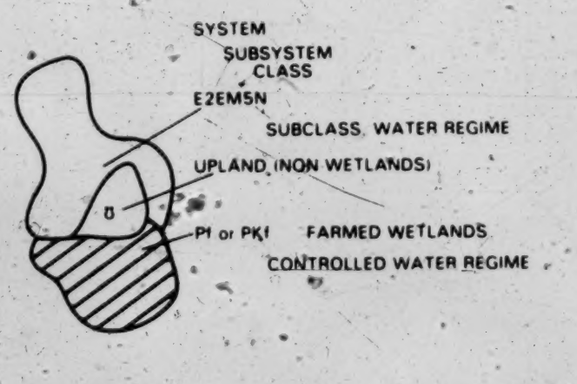

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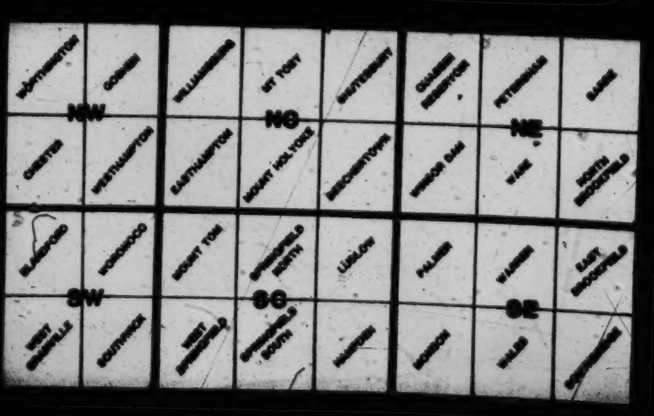
ALBANY (SE)
HOLYOKE



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3ALB-20

MASSACHUSETTS
CONNECTICUT
Cooley Lake
Southwick
Granville
Mundale
Pine Hill Cemetery
Stony Hill
Powder Mill Road
Debbie Beach
Dred Acre
Golf Course
Tekoa
Viking Hill
Nichols Swamp
Hartford County
Hampden
Penn Central
Sandy Beach
Gas Line
Brook
Creek
Pond
Reservoir
Cemetery
Golf Course
Road
Trail
Bdy
Tank
Spring
Marsh
Swamp
Lake
Meadow
Ditch
Canal
Levee
Dam
Pipeline
Fence
Bridge
Church
School
Building
Campground
Picnic Area
Recreation Area
Wharf
Mine
Quarry
Gravel Pit
Power Line
Tower
Windmill
Boundary
Interstate
U.S. Route
State Route
Local Road
Light Duty
Unimproved Dirt
Trail
Railroad
Perennial Stream
Intermittent Stream
Canal, Flume, or Aqueduct
Perennial Shoreline
Intermittent Shoreline
Elevation in Feet
Elevation in Meters
Index Contour
Intermediate Contour
Supplementary Contour
Depression Contour
Cut
Fill
Wash
Tailings
Mixed
Submerged
Aquatic Bed
Reef
Rocky Shore
Unconsolidated Shore
Emergent
Scrub-Shrub
Forested
Broad-Leaved Deciduous
Needle-Leaved Deciduous
Broad-Leaved Evergreen
Needle-Leaved Evergreen
Dead
Deciduous
Evergreen
Rock Bottom
Unconsolidated Bottom
Aquatic Bed
Reef
Streambed

WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

M – MARINE

1 – Subtidal: RB ROCK BOTTOM (1 Bedrock, 2 Boulder); UB UNCONSOLIDATED BOTTOM (1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic); AB AQUATIC BED (1 Submergent Algal, 2 Submergent Vascular, 6 Unknown Submergent); RF REEF (1 Coral, 3 Worm); OW OPEN WATER Unknown Bottom

2 – Intertidal: AB AQUATIC BED (1 Submergent Algal, 2 Submergent Vascular, 6 Unknown Submergent); RF REEF (1 Coral, 3 Worm); FL FLAT (1 Cobble/Gravel, 2 Sand, 3 Mud, 6 Vegetated Non pioneer); RS ROCKY SHORE (1 Bedrock, 2 Boulder, 6 Vegetated Non pioneer); BB BEACH/BAR (1 Cobble Gravel, 2 Sand)

ECOLOGICAL SYSTEM → Ecological Subsystem → CLASS → Subclass

E – ESTUARINE

1 – Subtidal: RB ROCK BOTTOM (1 Bedrock, 2 Boulder); UB UNCONSOLIDATED BOTTOM (1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic); AB AQUATIC BED (1 Submergent Algal, 2 Submergent Vascular, 4 Floating leaved, 5 Floating, 6 Unknown Submergent, 7 Unknown Surface); RF REEF (2 Mollusc, 3 Worm); OW OPEN WATER Unknown Bottom

2 – Intertidal: AB AQUATIC BED (1 Submergent Algal, 2 Submergent Vascular, 6 Unknown Submergent, 7 Unknown Surface); RF REEF (2 Mollusc, 3 Worm); FL FLAT (1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated Pioneer, 6 Vegetated Non pioneer); SB STREAMBED (1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic); RS ROCKY SHORE (1 Bedrock, 2 Boulder, 6 Vegetated Non pioneer); BB BEACH/BAR (1 Cobble Gravel, 2 Sand); EM EMERGENT (1 Persistent, 2 Nonpersistent, 3 Narrow leaved Nonpersistent, 4 Broad leaved Nonpersistent, 5 Narrow leaved Persistent, 6 Broad leaved Persistent); SS SCRUB/SHRUB (1 Broad leaved Deciduous, 2 Broad leaved Evergreen, 4 Needle leaved Evergreen, 5 Dead, 6 Deciduous, 7 Evergreen); FO FORESTED (1 Broad leaved Deciduous, 2 Broad leaved Evergreen, 4 Needle leaved Evergreen, 5 Dead, 6 Deciduous, 7 Evergreen)

ECOLOGICAL SYSTEM → Ecological Subsystem → CLASS → Subclass

R – RIVERINE

1 – Tidal: EM EMERGENT(1) (2 Nonpersistent, 3 Narrow leaved Nonpersistent, 4 Broad leaved Nonpersistent); RB ROCK BOTTOM (1 Bedrock, 2 Boulder); UB UNCONSOLIDATED BOTTOM (1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic); AB AQUATIC BED (1 Submergent Algal, 2 Submergent Vascular, 3 Submergent Moss, 4 Floating leaved, 5 Floating, 6 Unknown Submergent, 7 Unknown Surface); FL FLAT (1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated Pioneer, 6 Vegetated Non pioneer)

2 – Lower Perennial: RB ROCK BOTTOM (1 Bedrock, 2 Boulder); UB UNCONSOLIDATED BOTTOM (1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic)

3 – Upper Perennial: AB AQUATIC BED (1 Submergent Algal, 2 Submergent Vascular, 3 Submergent Moss, 4 Floating leaved, 5 Floating, 6 Unknown Submergent, 7 Unknown Surface); FL FLAT (1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated Pioneer, 6 Vegetated Non pioneer)

4 – Intermittent: SB STREAMBED (1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic); RS ROCKY SHORE (1 Bedrock, 2 Boulder); BB BEACH/BAR (1 Cobble/Gravel, 2 Sand)

5 – Unknown Perennial: OW OPEN WATER Unknown Bottom

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L – LACUSTRINE

1 – Limnetic: RB ROCK BOTTOM (1 Bedrock, 2 Boulder); UB UNCONSOLIDATED BOTTOM (1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic); AB AQUATIC BED (1 Submergent Algal, 2 Submergent Vascular, 3 Submergent Moss, 4 Floating leaved, 5 Floating, 6 Unknown Submergent, 7 Unknown Surface); OW OPEN WATER Unknown Bottom

2 – Littoral: RB ROCK BOTTOM (1 Bedrock, 2 Boulder); UB UNCONSOLIDATED BOTTOM (1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic); AB AQUATIC BED (1 Submergent Algal, 2 Submergent Vascular, 3 Submergent Moss, 4 Floating leaved, 5 Floating, 6 Unknown Submergent, 7 Unknown Surface); FL FLAT (1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated Pioneer, 6 Vegetated Non pioneer); RS ROCKY SHORE (1 Bedrock, 2 Boulder); BB BEACH/BAR (1 Cobble Gravel, 2 Sand); EM EMERGENT (2 Nonpersistent, 3 Narrow leaved Nonpersistent, 4 Broad leaved Nonpersistent); OW OPEN WATER Unknown Bottom

ECOLOGICAL SYSTEM → Ecological Subsystem → CLASS → Subclass

P – PALUSTRINE

No Subsystem

CLASS → Subclass

RB ROCK BOTTOM (1 Bedrock, 2 Boulder); UB UNCONSOLIDATED BOTTOM (1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic); AB AQUATIC BED (1 Submergent Algal, 2 Submergent Vascular, 3 Submergent Moss, 4 Floating leaved, 5 Floating, 6 Unknown Submergent, 7 Unknown Surface); FL FLAT (1 Cobble/Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated Pioneer, 6 Vegetated Non pioneer); MA MOSS LICHEN (1 Moss, 2 Lichen); EM EMERGENT (1 Persistent, 2 Nonpersistent, 3 Narrow leaved Nonpersistent, 4 Broad leaved Nonpersistent, 5 Narrow leaved Persistent, 6 Broad leaved Persistent); SS SCRUB/SHRUB (1 Broad leaved Deciduous, 2 Needle leaved Deciduous, 3 Broad leaved Evergreen, 4 Needle leaved Evergreen, A Dead, 6 Deciduous, 7 Evergreen); FO FORESTED (1 Broad leaved Deciduous, 2 Needle leaved Deciduous, 3 Broad leaved Evergreen, 4 Needle leaved Evergreen, 5 Dead, 6 Deciduous, 7 Evergreen); OW OPEN WATER Unknown Bottom

MODIFYING TERMS

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WATER REGIME(1)

Non-Tidal: A Temporary; B Saturated; C Seasonal; D Seasonal Well-drained; E Seasonal Saturated; F Semipermanent; G Intermittently Exposed; H Permanent; J Intermittently Flooded; K Artificial; Z Intermittently Exposed/Permanent; W Intermittently Flooded/Temporary; Y Saturated/Semipermanent/Seasonal; U Unknown

Tidal: E Artificial; L Subtidal; M Irregularly Exposed; N Regular; P Irregular; R Seasonal Tidal; S Temporary Tidal; T Semipermanent Tidal; V Permanent Tidal; U Unknown

WATER CHEMISTRY

Coastal Salinity: 1 Hyperhaline; 2 Euhaline; 3 Mesohaline (Brackish); 4 Polyhaline; 5 Mesohaline; 6 Oligohaline; 0 Fresh

Inland Salinity: 7 Hypersaline; 8 Eusaline; 9 Mixosaline; 0 Fresh

pH Modifiers for all Fresh Water: a Acid; i Circumneutral; r Alkaline

SOIL

g Organic; n Mineral

SPECIAL MODIFIERS

b Beaver; d Partially Drained/Ditched; f Farmed; h Diked/Impounded; x Artificial; s Spoil; e Excavated

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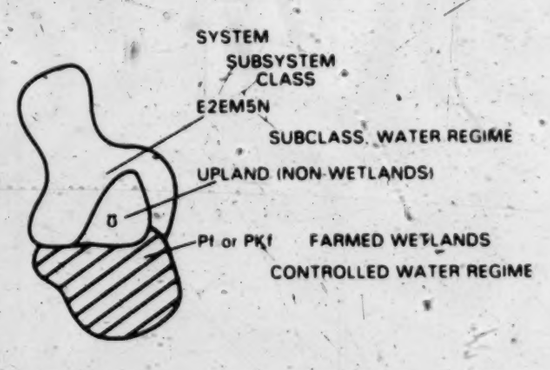

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3HB-15

21

ALBANY SE
HOLYOKE

42°07'30"
72°37'30"

10/75

MOUNT TOM, MASS

SCALE 1:24000

1 MILE
0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

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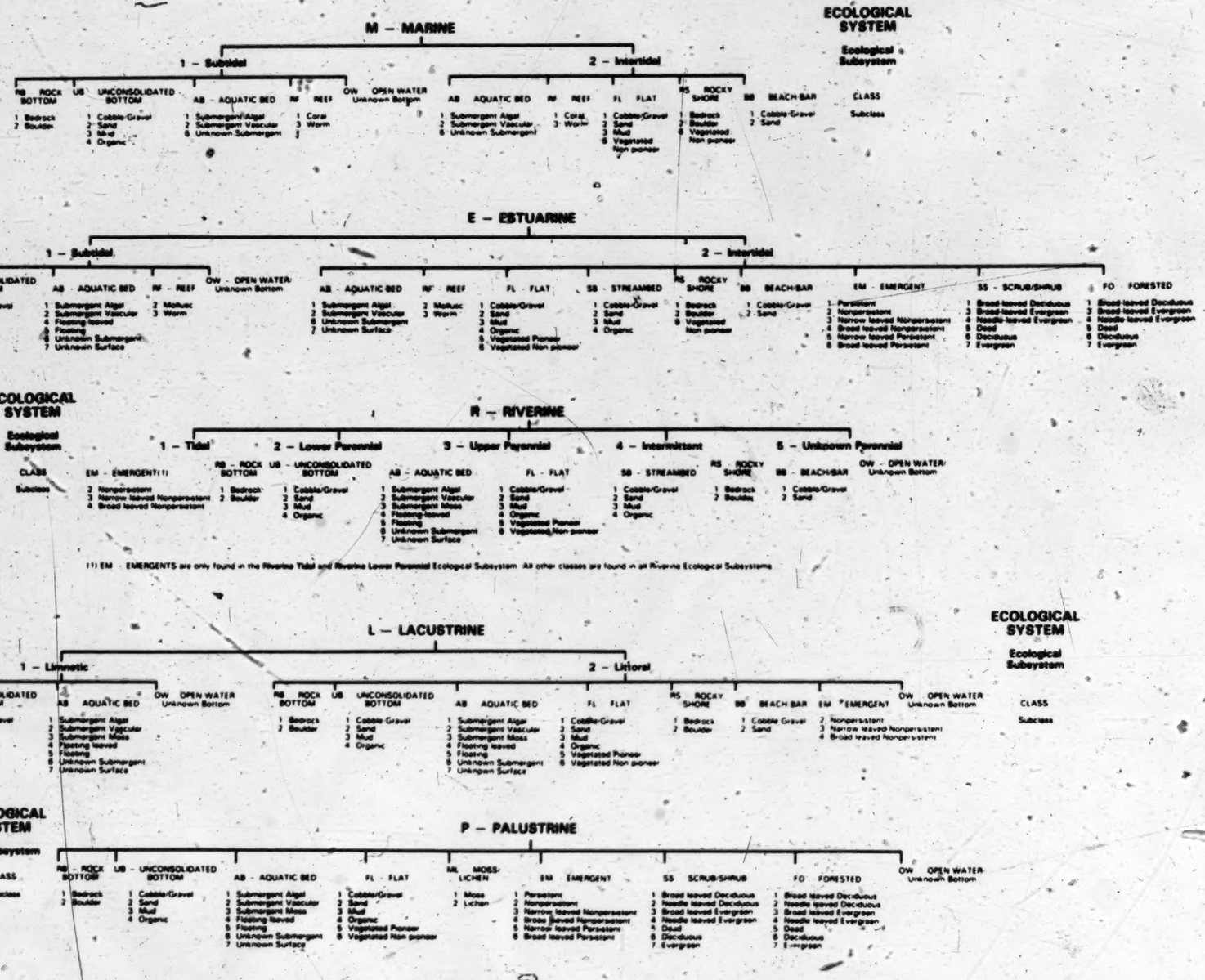

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WATER REGIME(1)

Non-Tidal
- A Temporary
- B Saturated
- C Seasonal
- D Seasonal Well-drained
- E Seasonal Saturated
- F Semipermanent
- G Intermittently Exposed
- H Permanent
- J Intermittently Flooded
- K Artificial
- Z Intermittently Exposed/Permanent
- W Intermittently Flooded/Temporary
- V Saturated/Semipermanent/Seasonal
- U Unknown

Tidal
- K Artificial
- L Subtidal
- M Irregularly Exposed
- N Regular
- P Irregular
- R Seasonal Tidal
- S Temporary Tidal
- T Semipermanent Tidal
- V Permanent Tidal
- U Unknown

WATER CHEMISTRY

Coastal Salinity
- 1 Hyperhaline
- 2 Euhaline
- 3 Mixohaline (Brackish)
- 4 Polyhaline
- 5 Mixohaline
- 6 Oligohaline
- 0 Fresh

Inland Salinity
- 7 Hypersaline
- 8 Eusaline
- 9 Mixosaline
- 0 Fresh

pH Modifiers for all Fresh Water
- a Acid
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SOIL
- g Organic
- n Mineral

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- b Beaver
- d Partially Drained/Ditched
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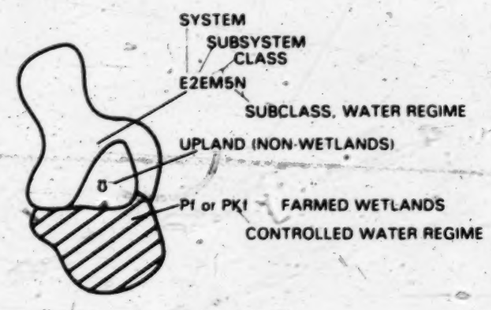
SYMBOLOGY EXAMPLE



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MICROFICHE INDEX
ALBANY (SE)
NEW YORK

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

ALBANY SE
HOLYOKE

SCALE 1:24000

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

5 0 1 KILOMETER

22

42°07'30"
72°30'

10/75

SPRINGFIELD NORTH, MASS

WETLAND LEGEND

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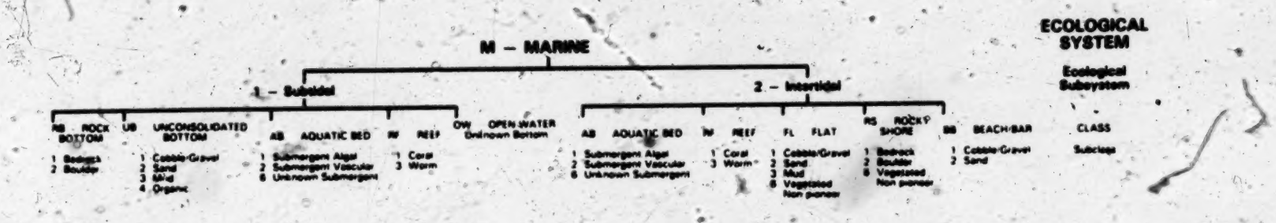

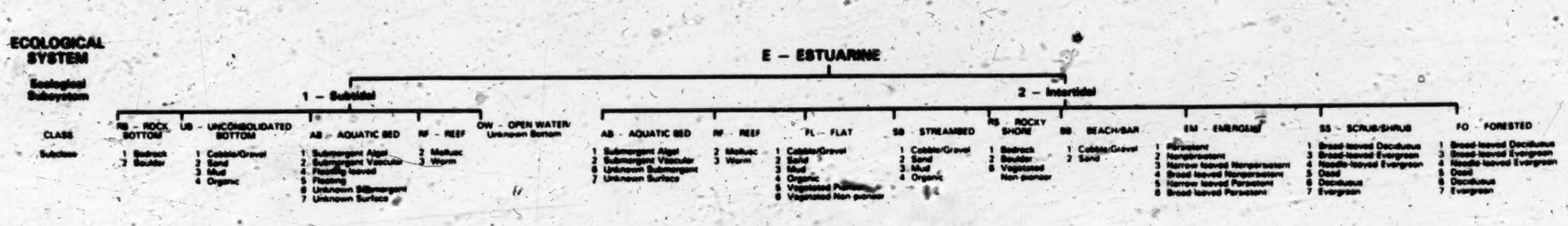

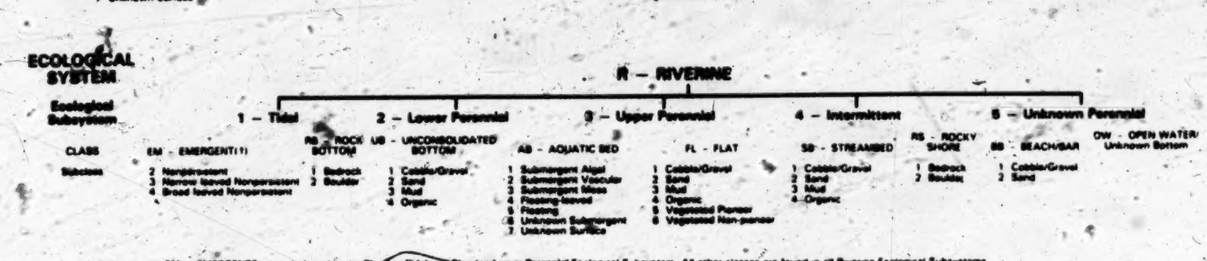

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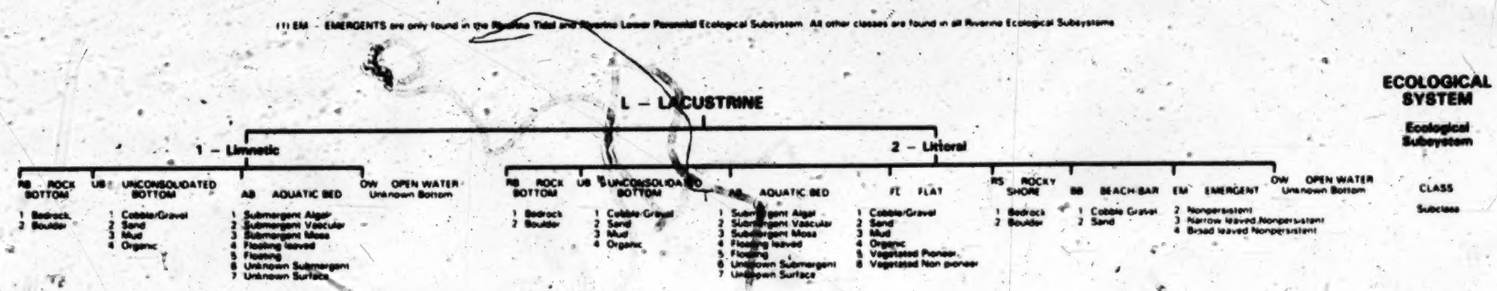

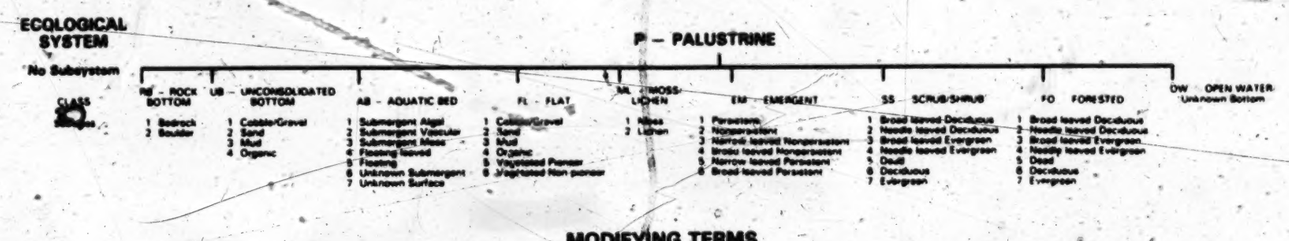

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WATER REGIME(1)

Non-Tidal

A	Temporary	H	Permanent
B	Saturated	J	Intermittently Flooded
C	Seasonal	K	Artificial
D	Seasonal Well-drained	Z	Intermittently Exposed/Permanent
E	Seasonal Saturated	W	Intermittently Flooded/Temporary
F	Semipermanent	Y	Saturated/Semipermanent/Seasonal
G	Intermittently Exposed	U	Unknown

Tidal

K	Artificial	R	Seasonal Tidal
L	Subtidal	S	Temporary Tidal
M	Irregularly Exposed	T	Semipermanent Tidal
N	Regularly	V	Permanent Tidal
P	Irregular	U	Unknown

WATER CHEMISTRY

Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water
1 Hyperhaline	7 Hyperhaline	a Acid
2 Euhaline	8 Eutahline	n Circumneutral
3 Mixohaline (Brackish)	9 Mixosaline	i Alkaline
4 Polyhaline	0 Fresh	
5 Mesohaline		
6 Oligohaline		
0 Fresh		

SOIL

g	Organic
m	Mineral

SPECIAL MODIFIERS

b	Beaver	h	Diked/Impounded
d	Partially Drained/Ditched	r	Artificial
f	Farmed	s	Spoil
		x	Excavated

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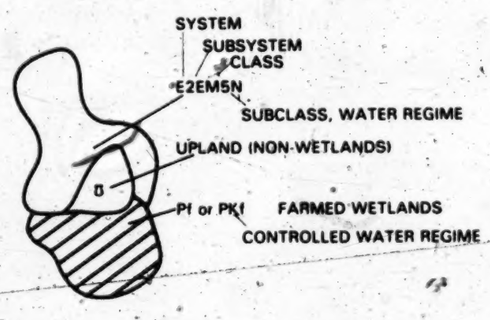

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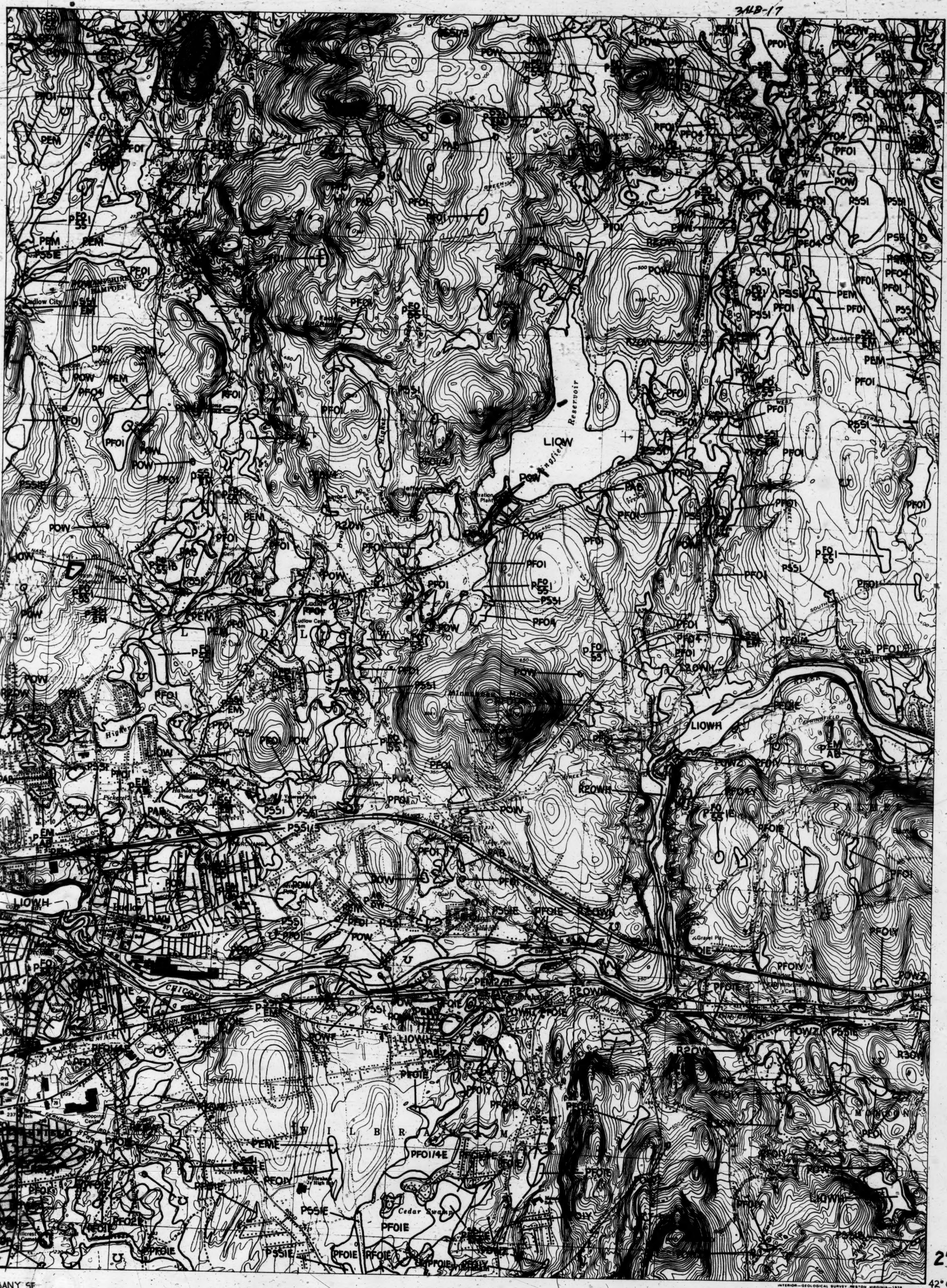
NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3ALB-17



ALBANY SE
HOLYOKE

23

42° 07′ 30″
72° 22′ 30″

10/75

LUDLOW, MASS.

SCALE 1:24000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 1 KILOMETER

WETLAND LEGEND

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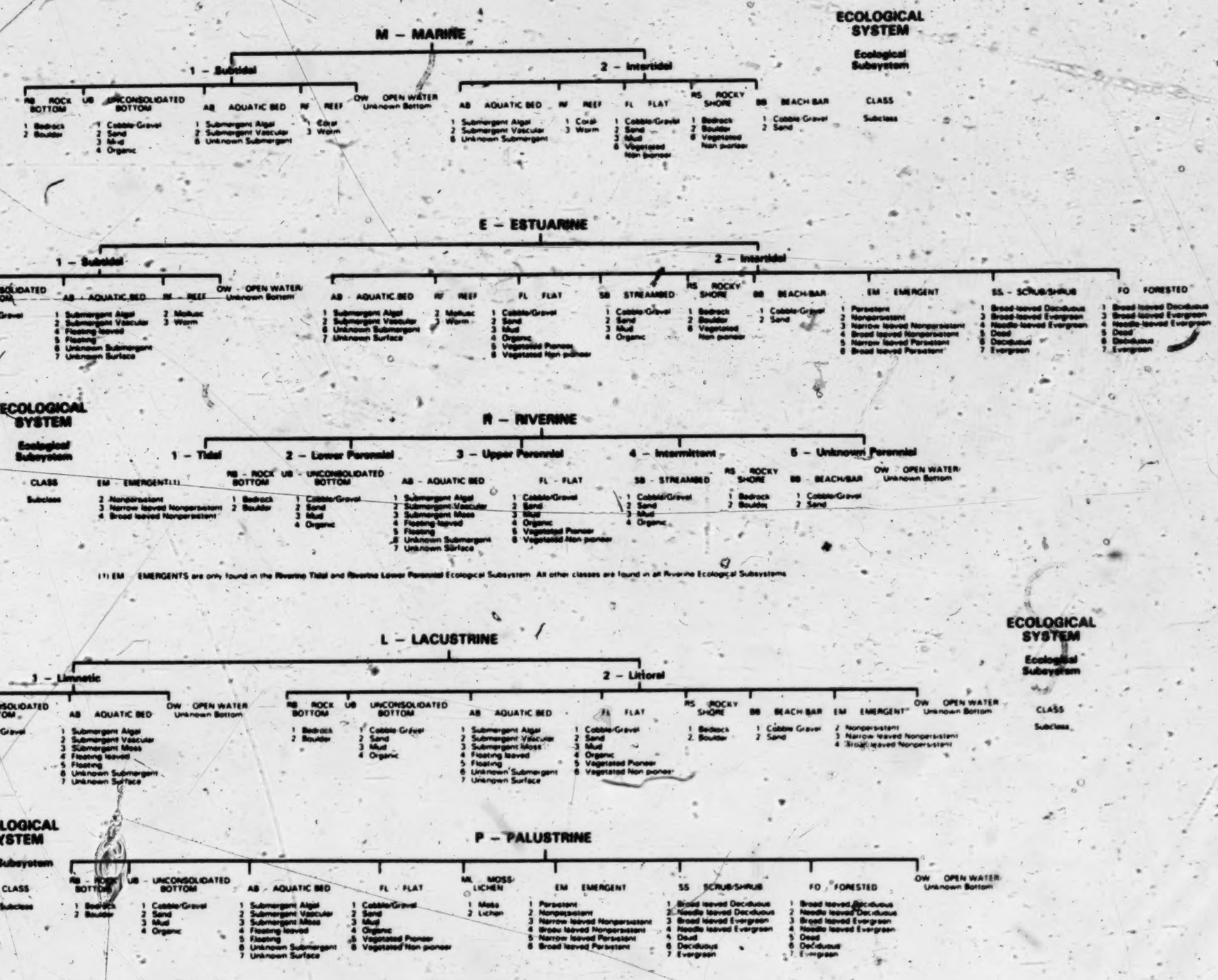

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MODIFYING TERMS

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WATER REGIME(1)						WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS	
Non-Tidal		Tidal				Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water			
A Temporary	H Permanent	K Artificial	R Seasonal Tidal			1 Hypersaline	7 Hypersaline	a Acid	n Organic	b Beaver	h Diked/Impounded
B Saturated	J Intermittently Flooded	L Subtidal	S Temporary Tidal			2 Eusaline	8 Eusaline	c Circumneutral	o Mineral	d Partially Drained/Ditched	r Artificial
C Seasonal	K Artificial	M Irregularly Exposed	T Semipermanent Tidal			3 Mixosaline (Brackish)	9 Mixosaline	i Alkaline		f Farmed	s Spoil
D Seasonal Well-drained	Z Intermittently Exposed/Permanent	N Regular	V Permanent Tidal			4 Polysaline	O Fresh				x Excavated
E Seasonal Saturated	W Intermittently Flooded/Temporary	P Irregular	U Unknown			5 Mixohaline					
F Semipermanent	Y Saturated/Semipermanent/Seasonal					6 Oligohaline					
G Intermittently Exposed	U Unknown					0 Fresh					

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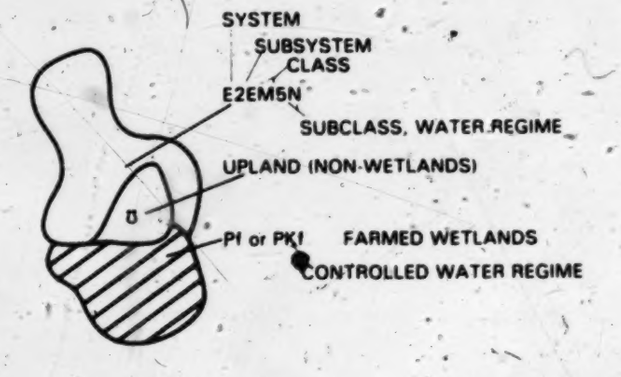

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MICROFICHE INDEX
ALBANY (SE)
STOCK

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3ALB-21

ALBANY SE
HOLYOKE,

10/75

WEST SPRINGFIELD, MASS—CONN

SCALE 1:24 000

1 MILE
1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

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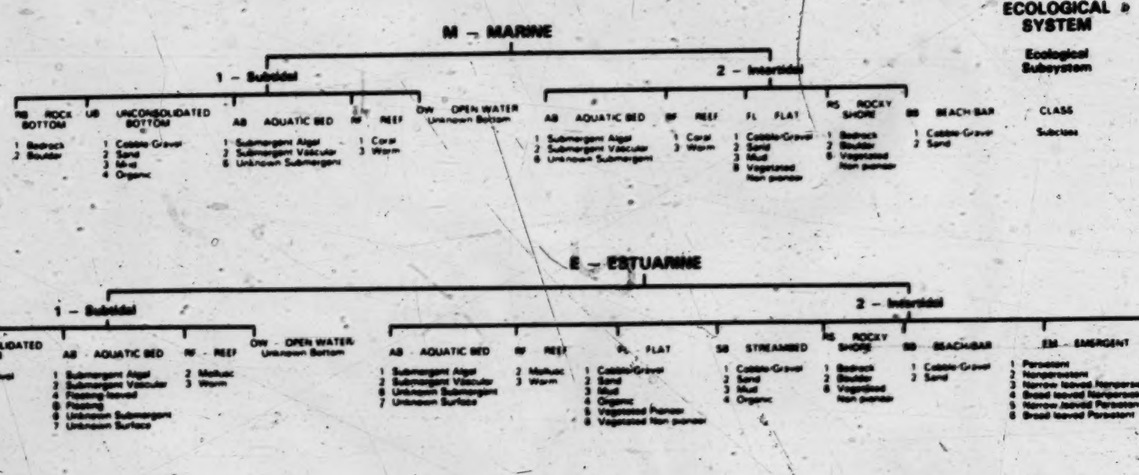

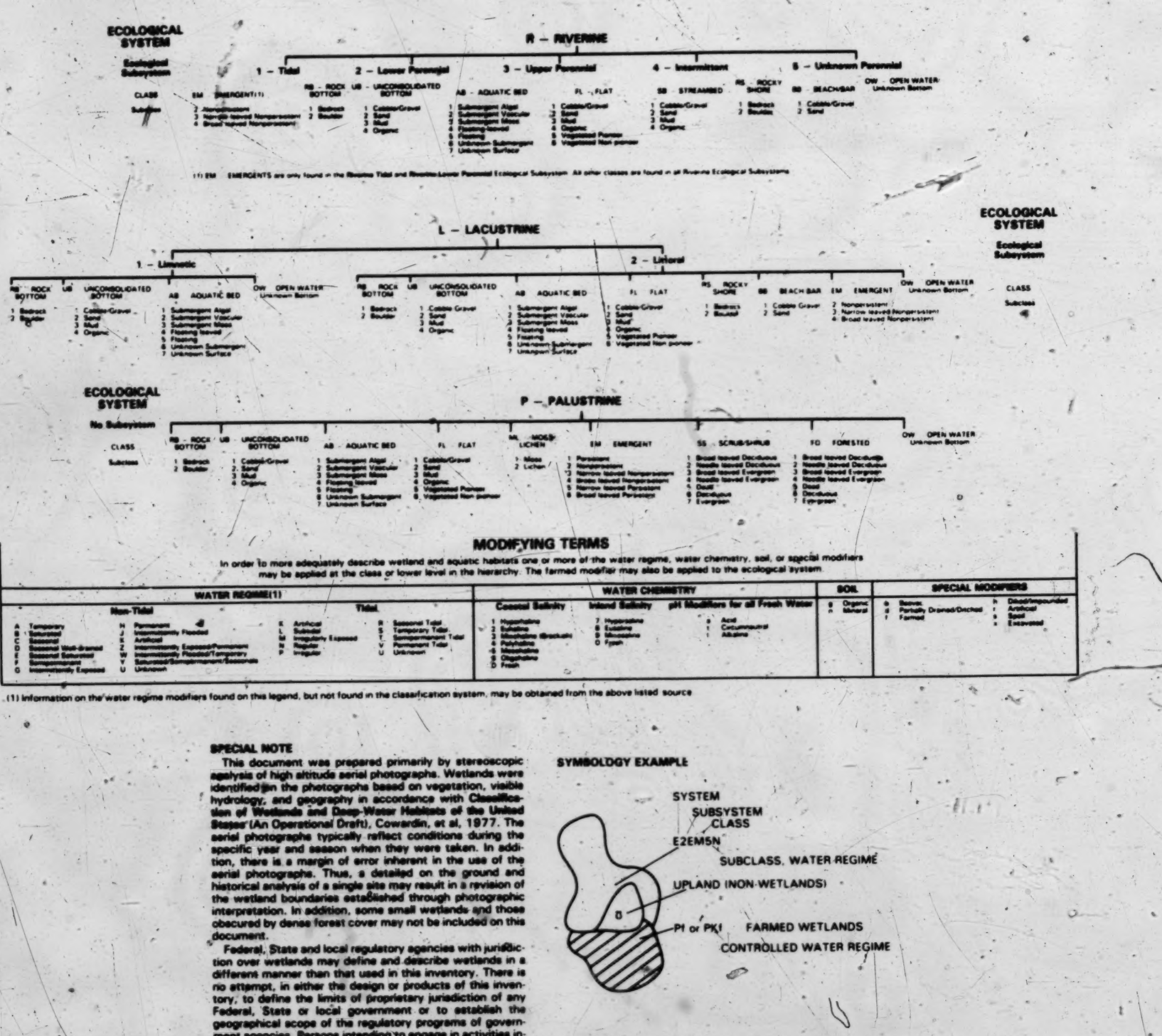

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B Saturated	J Intermittently Flooded	2 Eusaline	8 Eusaline	c Circumneutral	n Mineral	d Partially Drained/Ditched / r Artificial
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D Seasonal Well-drained	Z Intermittently Exposed/Permanent	4 Polyhaline	0 Fresh			x Excavated
E Seasonal Saturated	W Intermittently Flooded/Temporary	5 Mixosaline				
F Semipermanent	Y Saturated/Semipermanent/Seasonal	6 Oligohaline				
G Intermittently Exposed	U Unknown	0 Fresh				

E Artificial	R Seasonal Tidal		
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NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3ALB-22

25

42°00'

72°30'

ALBANY SE
HOLYOKE

10/75

SPRINGFIELD SOUTH, MASS.—CONN.

SCALE 1:24000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

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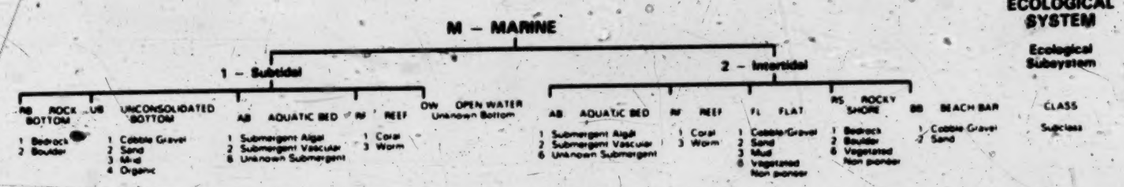
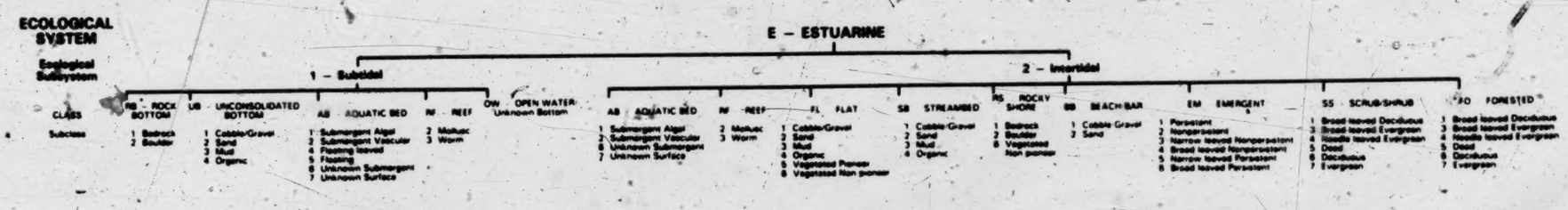


ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass



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Ecological Subsystem
CLASS
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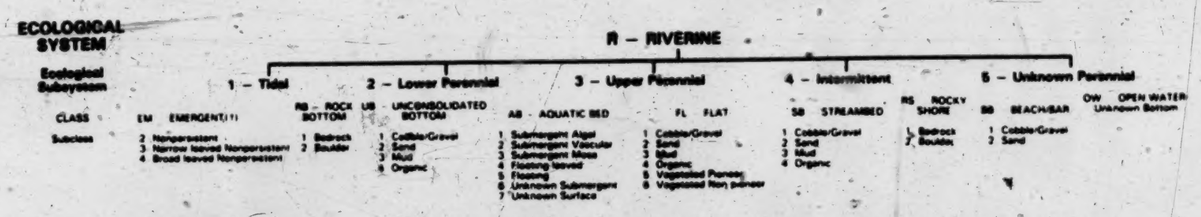

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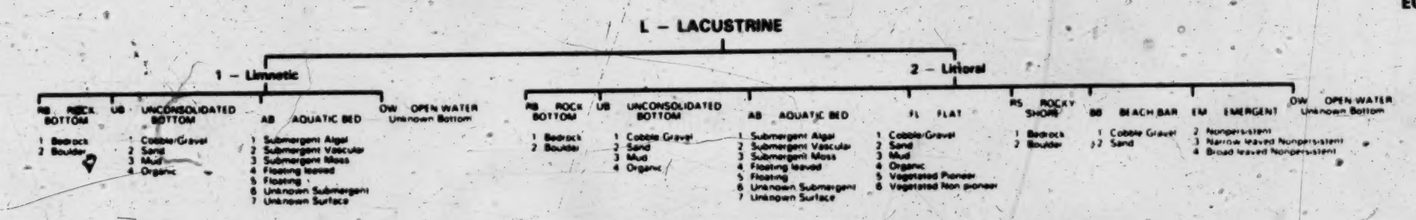
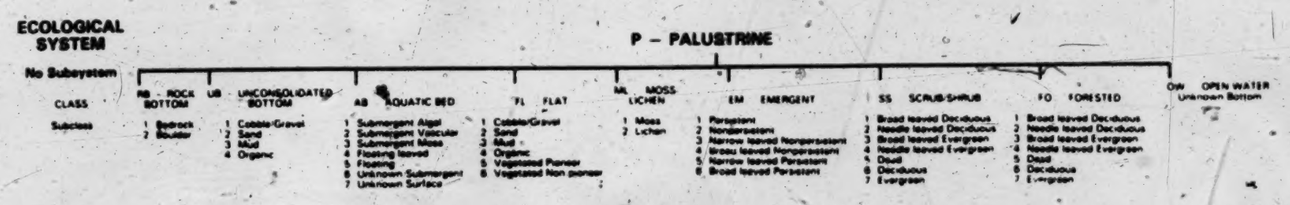


ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass



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WATER REGIME(1)

Non-Tidal

- A Temporary
- B Saturated
- C Seasonal
- D Seasonal Well-drained
- E Seasonal Saturated
- F Semipermanent
- G Intermittently Exposed
- H Permanent
- J Intermittently Flooded
- K Artificial
- Z Intermittently, Exposed/Permanent
- W Intermittently Flooded/Temporary
- Y Saturated/Semipermanent/Seasonals
- U Unknown

Tidal

- K Artificial
- L Subtidal
- M Irregularly Exposed
- N Regular
- P Irregular
- R Seasonal Tidal
- S Temporary Tidal
- T Semipermanent Tidal
- V Permanent Tidal
- U Unknown

WATER CHEMISTRY

Coastal Salinity
- 1 Hypohaline
- 2 Euhaline
- 3 Mixohaline (Brackish)
- 4 Polyhaline
- 5 Mixohaline
- 6 Euhaline
- 0 Fresh

Inland Salinity
- 7 Hyperhaline
- 8 Eusaline
- 9 Mixosaline
- 0 Fresh

pH Modifiers for all Fresh Water
- a Acid
- i Circumneutral
- i Alkaline

SOIL
- g Organic
- n Mineral

SPECIAL MODIFIERS
- b Beaver
- d Partially Drained/Ditched
- f Farmed
- h Diked/Impounded
- r Artificial
- s Spoil
- x Excavated

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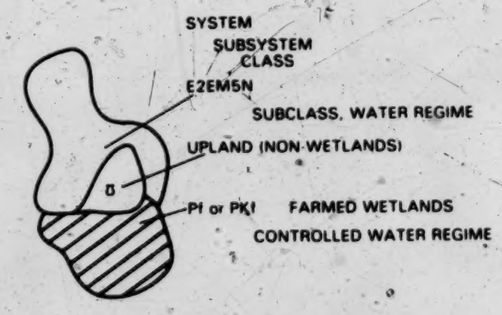

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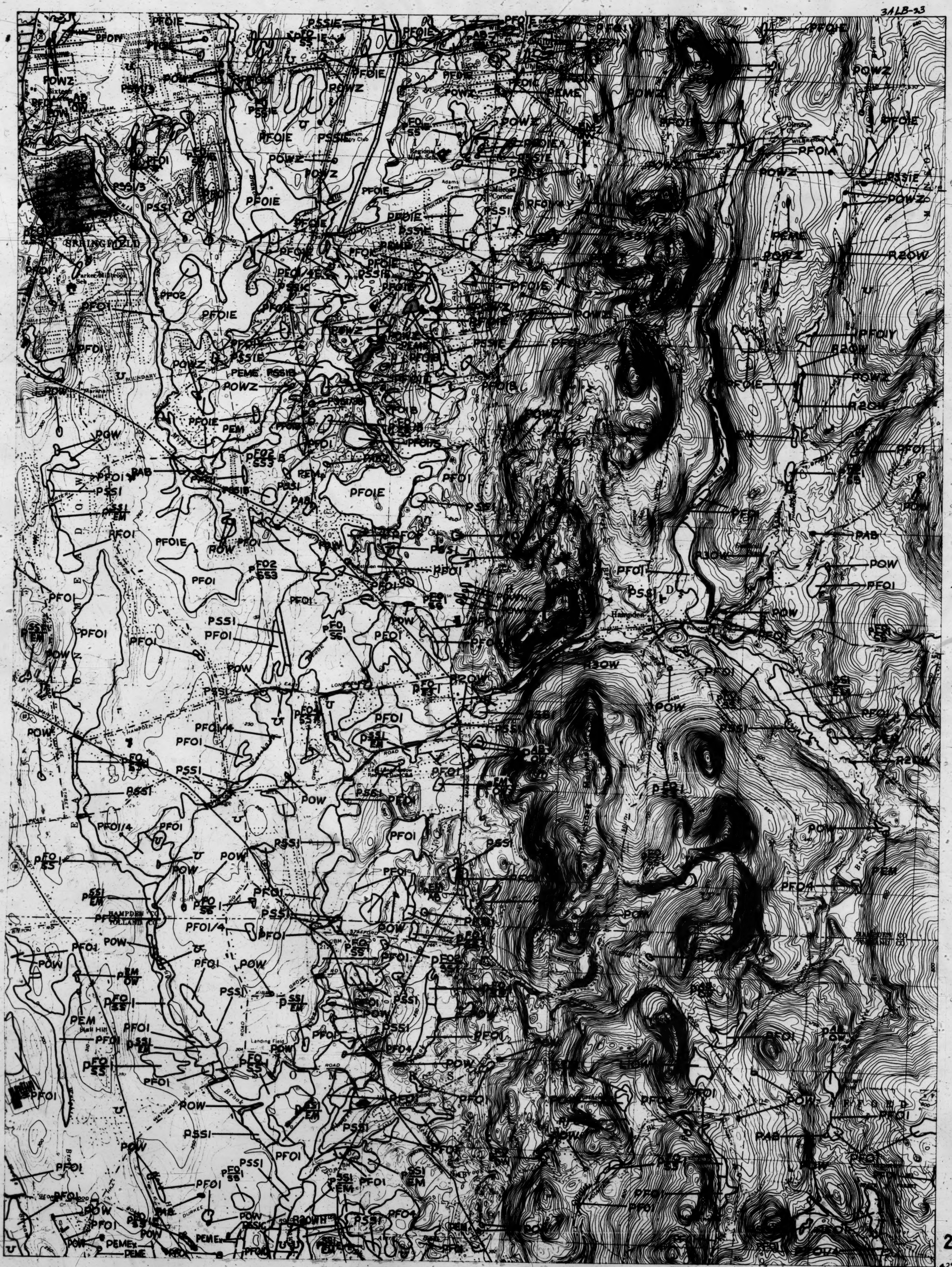
NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

31LB-33



ALBANY SE
HOLYOKE

10/75

HAMPDEN, MASS.—CONN.

26

42°00'
72°22'30"

SCALE 1:24000

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

WETLAND LEGEND

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M – MARINE

ECOLOGICAL SYSTEM — Ecological Subsystem — CLASS — Subclass

1 – Subtidal

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	RF REEF	OW OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent	1 Coral 3 Worm	

2 – Intertidal

AB AQUATIC BED	RF REEF	FL FLAT	RS ROCKY SHORE	BB BEACH/BAR
1 Submergent Algal 6 Unknown Submergent	1 Coral 3 Worm	1 Cobble/Gravel 2 Sand 3 Mud 5 Vegetated 6 Vegetated Pioneer	1 Bedrock 2 Boulder 5 Vegetated 6 Vegetated Non pioneer	1 Cobble Gravel 2 Sand

CLASS — Subclass

E – ESTUARINE

ECOLOGICAL SYSTEM — Ecological Subsystem — CLASS — Subclass

1 – Subtidal

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	RF REEF	OW OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent 7 Unknown Surface	2 Mollusk 3 Worm	

2 – Intertidal

AB AQUATIC BED	RF REEF	FL FLAT	SB STREAMBED	RS ROCKY SHORE	BB BEACH/BAR	EM EMERGENT	SS SCRUB-SHRUB	FO FORESTED
1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent 7 Unknown Surface	2 Mollusk 3 Worm	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder 5 Vegetated Non pioneer	1 Cobble Gravel 2 Sand	1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 2 Broad leaved Evergreen 3 Needle leaved Evergreen 4 Dead 5 Deciduous 7 Evergreen	1 Broad leaved Deciduous 2 Broad leaved Evergreen 3 Needle leaved Evergreen 4 Dead 5 Deciduous 7 Evergreen

CLASS — Subclass

R – RIVERINE

ECOLOGICAL SYSTEM — Ecological Subsystem — CLASS — Subclass

1 – Tidal | 2 – Lower Perennial | 3 – Upper Perennial | 4 – Intermittent | 5 – Unknown Perennial

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	FL FLAT	SB STREAMBED	RS ROCKY SHORE	BB BEACH/BAR	OW OPEN WATER Unknown Bottom	EM EMERGENT(1)
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand		2 Nonpersistent 4 Broad leaved Nonpersistent

(1) EM EMERGENTS are only found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. All other classes are found in all Riverine Ecological Subsystems

L – LACUSTRINE

ECOLOGICAL SYSTEM — Ecological Subsystem — CLASS — Subclass

1 – Limnetic

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	OW OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	

2 – Littoral

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	FL FLAT	RS ROCKY SHORE	BB BEACH BAR	EM EMERGENT	OW OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Bedrock 2 Boulder	1 Cobble Gravel 2 Sand	2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent	

CLASS — Subclass

P – PALUSTRINE

ECOLOGICAL SYSTEM — No Subsystem — CLASS — Subclass

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	FL FLAT	NL MOSS-LICHEN	EM EMERGENT	SS SCRUB-SHRUB	FO FORESTED	OW OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	

MODIFYING TERMS

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WATER REGIME(1)

Non-Tidal		Tidal	
A Temporary	H Permanent	K Artificial	R Seasonal Tidal
B Saturated	J Intermittently Flooded	L Subtidal	S Temporary Tidal
C Seasonal	K Artificial	M Irregularly Exposed	T Semipermanent Tidal
D Seasonal Well-drained	Z Intermittent, Exposed/Permanent	N Regular	U Permanent Tidal
E Seasonal Saturated	W Intermittently Flooded/Temporary	P Irregular	V Unknown
F Semipermanent	Y Saturated/Semipermanent/Seasonal		
G Intermittently Exposed	U Unknown		

WATER CHEMISTRY

Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water
1 Hyperhaline	7 Hypersaline	a Acid, Circumneutral
2 Eusaline	8 Eusaline	i Alkaline
3 Mesohaline (Brackish)	9 Mixosaline	
4 Polyhaline	0 Fresh	
5 Mesohaline		
6 Oligohaline		
0 Fresh		

SOIL

b Organic	h Diked/Impounded
n Mineral	r Artificial
f Farmed	s Excavated

SPECIAL MODIFIERS

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

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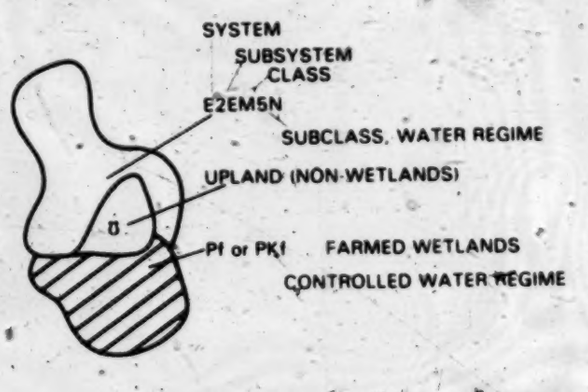

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MICROFICHE INDEX
ALBANY (SE)
HOLYOKE

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3148-18

WETLAND LEGEND

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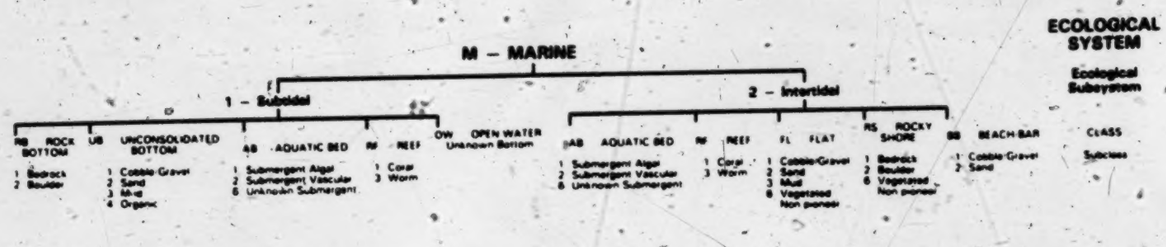

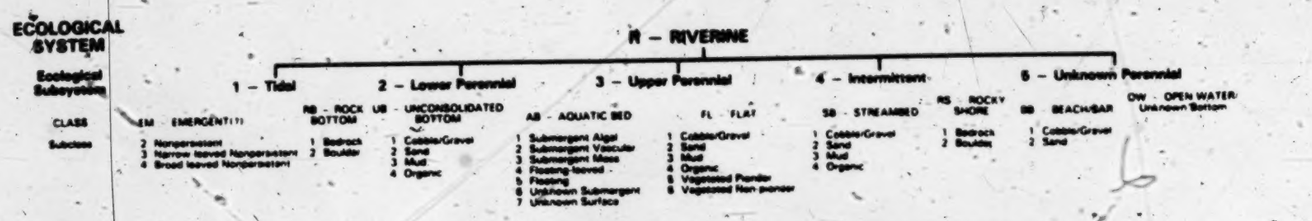

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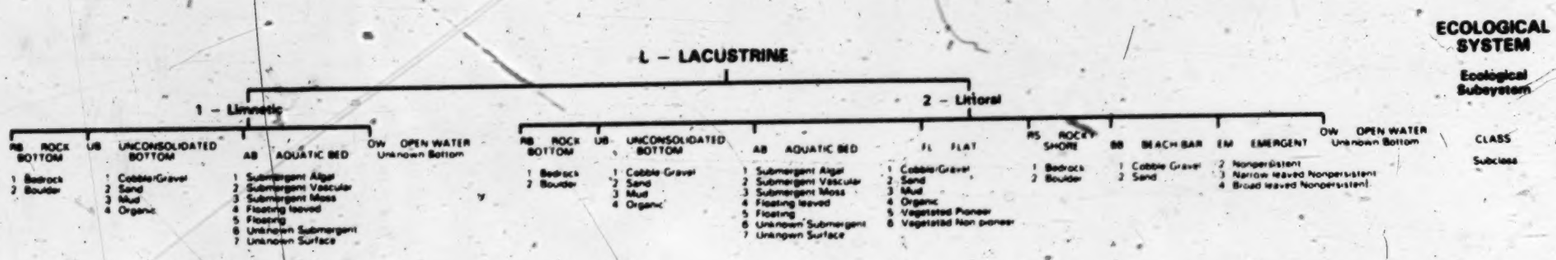

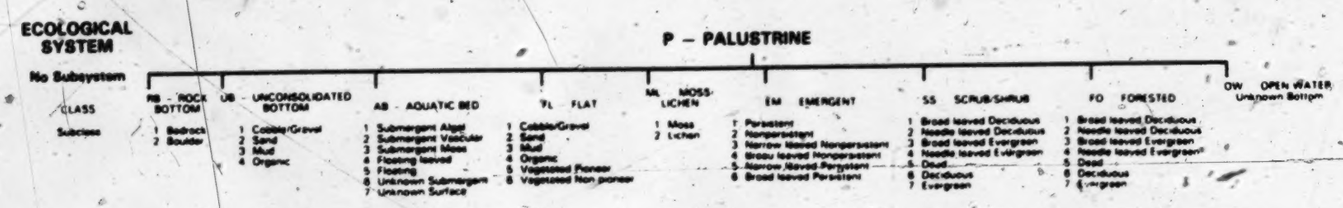

MODIFYING TERMS

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WATER REGIME(1)

Non-Tidal

- A Temporary
- B Saturated
- C Seasonal
- D Seasonal Well-drained
- E Seasonal Saturated
- F Semipermanent
- G Intermittently Exposed
- H Permanent
- J Intermittently Flooded
- K Artificial
- Z Intermittently Exposed/Permanent
- W Intermittently Flooded/Temporary
- Y Saturated/Semipermanent/Seasonal
- U Unknown

Tidal

- K Artificial
- L Subtidal
- M Irregularly Exposed
- N Regular
- P Irregular
- R Seasonal Tidal
- S Temporary Tidal
- T Semipermanent Tidal
- V Permanent Tidal
- U Unknown

WATER CHEMISTRY

Coastal Salinity

- 1 Hyperhaline
- 2 Euhaline
- 3 Mixohaline (Brackish)
- 4 Polyhaline
- 5 Mesohaline
- 6 Oligohaline
- 0 Fresh

Inland Salinity

- 7 Hyperhaline
- 8 Euhaline
- 9 Mixohaline
- 0 Fresh

pH Modifiers for all Fresh Water

- a Acid
- c Circumneutral
- i Alkaline

SOIL

- g Organic
- n Mineral

SPECIAL MODIFIERS

- b Beaver
- d Partially Drained/Ditched
- f Farmed
- h Diked/Impounded
- r Artificial
- s Spoil
- x Excavated

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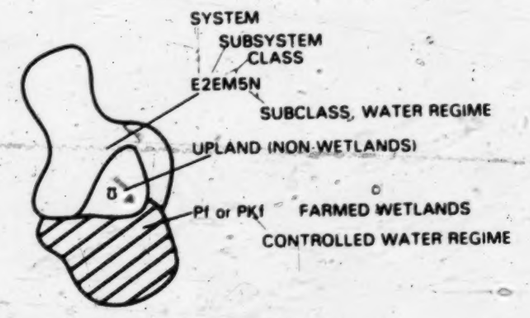

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NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3448-31

PFO1
POW
PSS1
PEM
PEMC
PAB
L1OW
R30W
PFO4
PSS1/3
PSS1b
PEMb
PEMd
West Brookfield
Foster Hill
Wickaboag Pond
Little Alum Pond
Alum Pond
Mountain
Brimfield
Dunhamtown
Brookfield
Warren (RR 606)
Cowee Hill
Radio Towers
Pumping Station
Sutton
Richardson
Little Rest
Hill
Long
Pond
Brook
Creek
Road
Lane
Trail
Dam
Pit
Cemetery
Woodchuck Hill
Worcester Co
Hampden Co
Telephone Line
Transmission Line
Pipeline
Fence
Levee
Ford
Spring
Tower
Tank
Quarry
Gravel Pit
Sewage Lagoon
Campground
Golf Course
Dam
Open
Woods
Orchard
Vineyard
Nursery
Reservoir
Aqueduct
Canal
Ditch
Flume
Intake
Outlet
Lock
Weir
Wharf
Boat Ramp
Boat Slip
Boat Launch
Boat Mooring
Boat Anchorage
Boat Dock
Boat Pier
Boat Jetty
Boat Breakwater
Boat Groin
Boat Seawall
Boat Revetment
Boat Bulkhead
Boat Riprap
Boat Gabion
Boat Concrete
Boat Asphalt
Boat Wood
Boat Steel
Boat Aluminum
Boat Fiberglass
Boat Rubber
Boat Plastic
Boat Other
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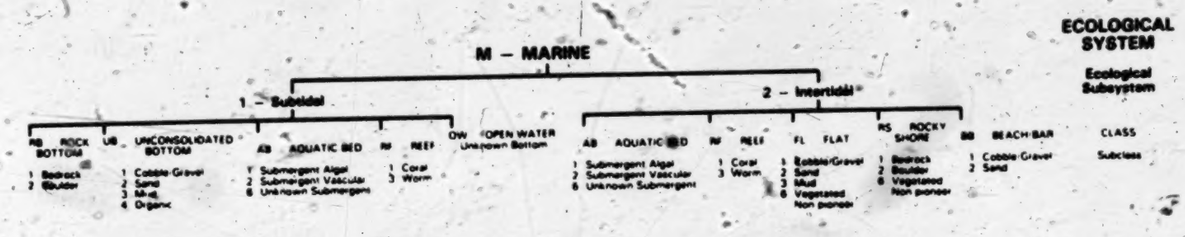

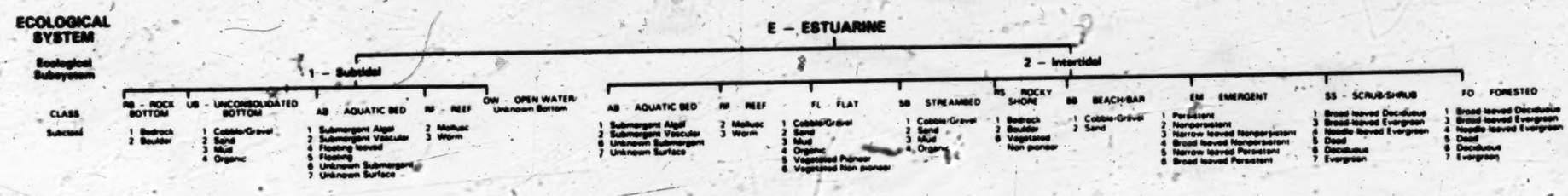

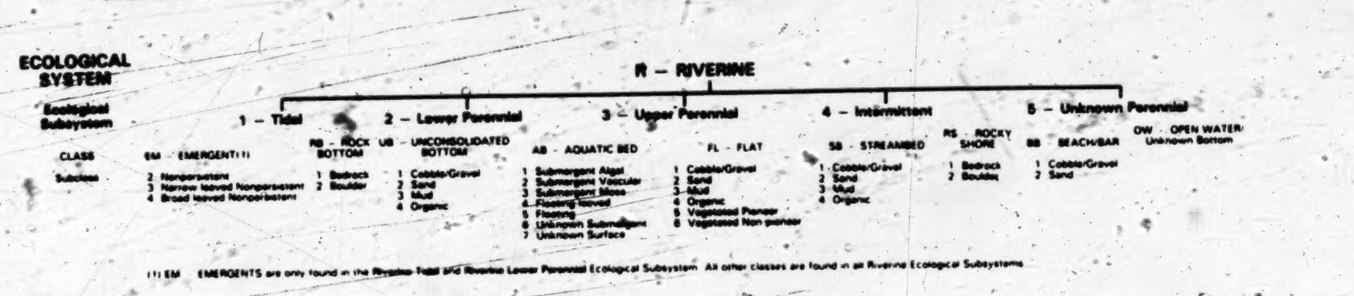

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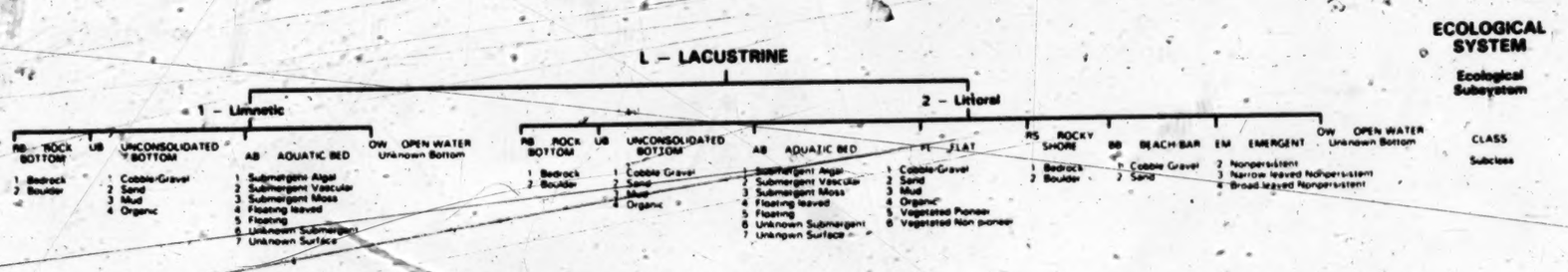

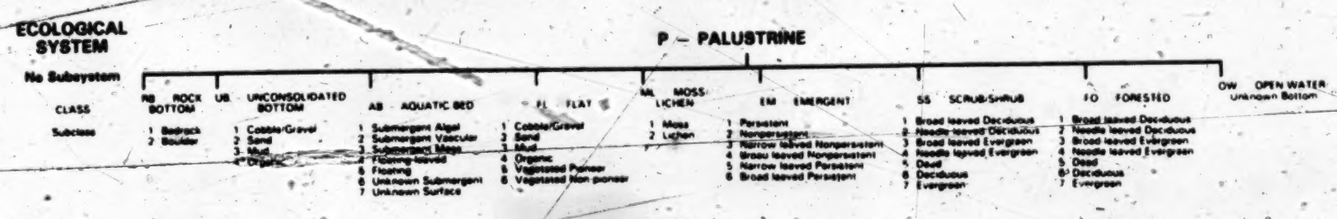

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SOIL

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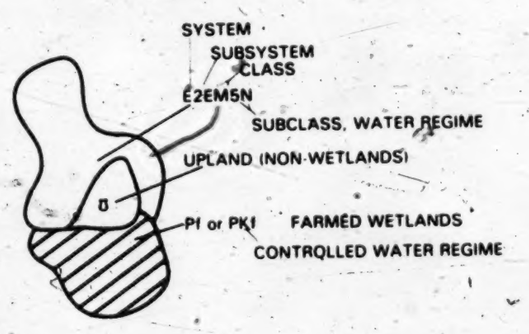

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3NB-19

29

ALBANY SE
HOLYOKE

42°07'30"
72°00'

10/75

EAST BROOKFIELD, MASS

SCALE 1:24000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
0 1 KILOMETER

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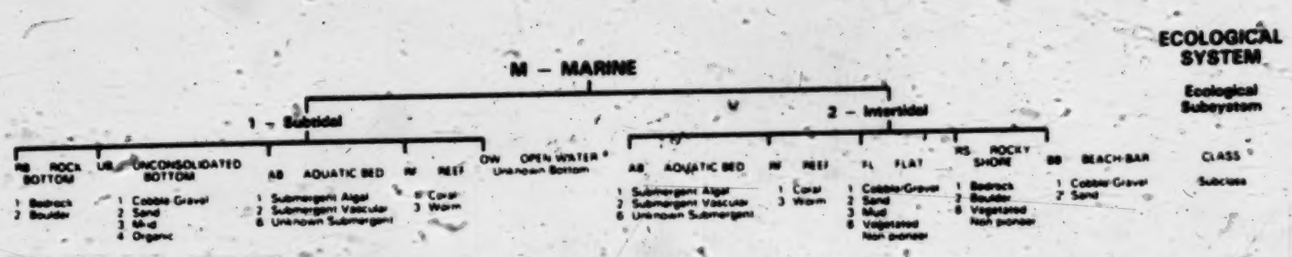

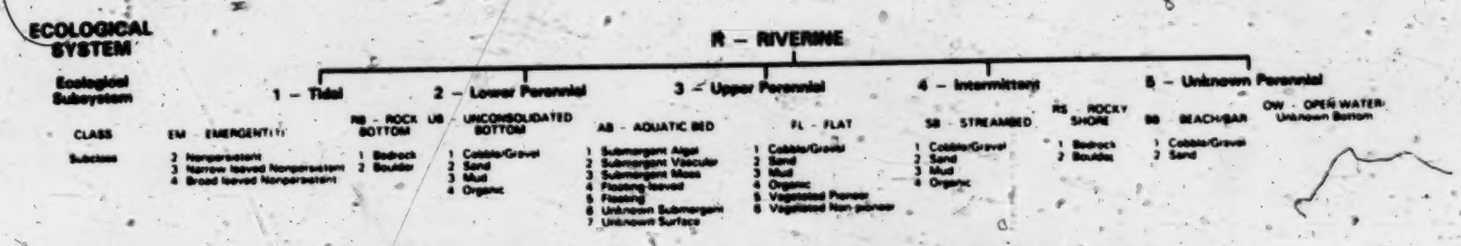

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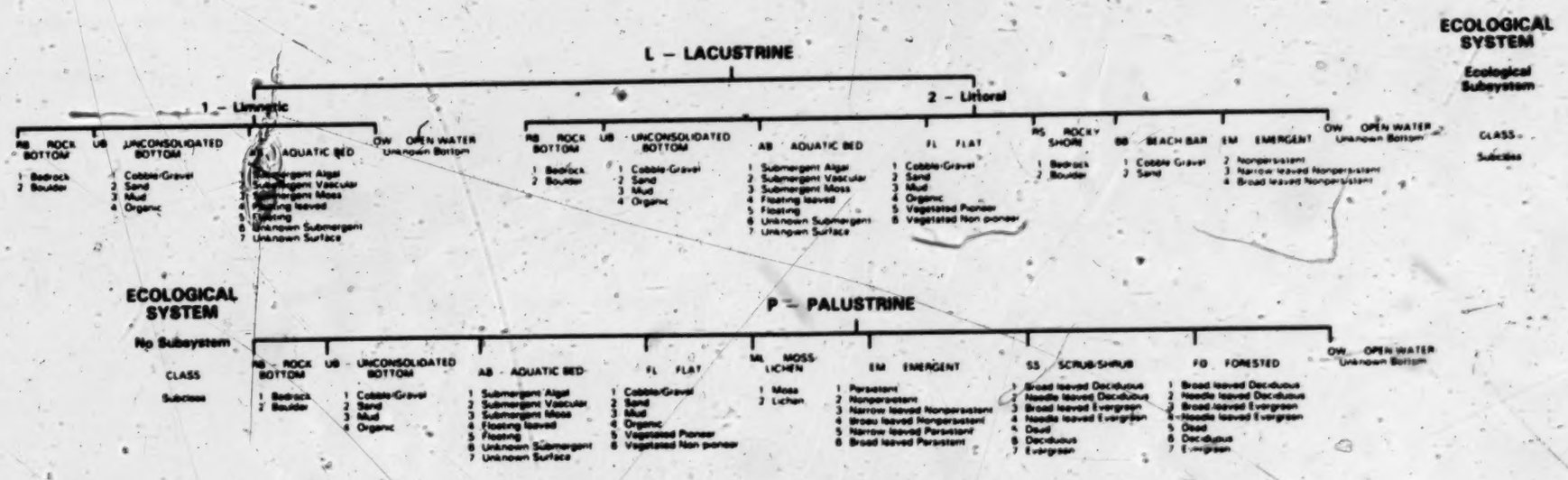

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6 Oligohaline		
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SOIL

p Organic	
n Mineral	

SPECIAL MODIFIERS

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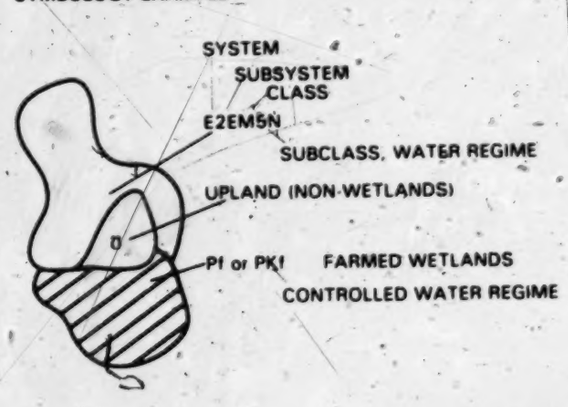

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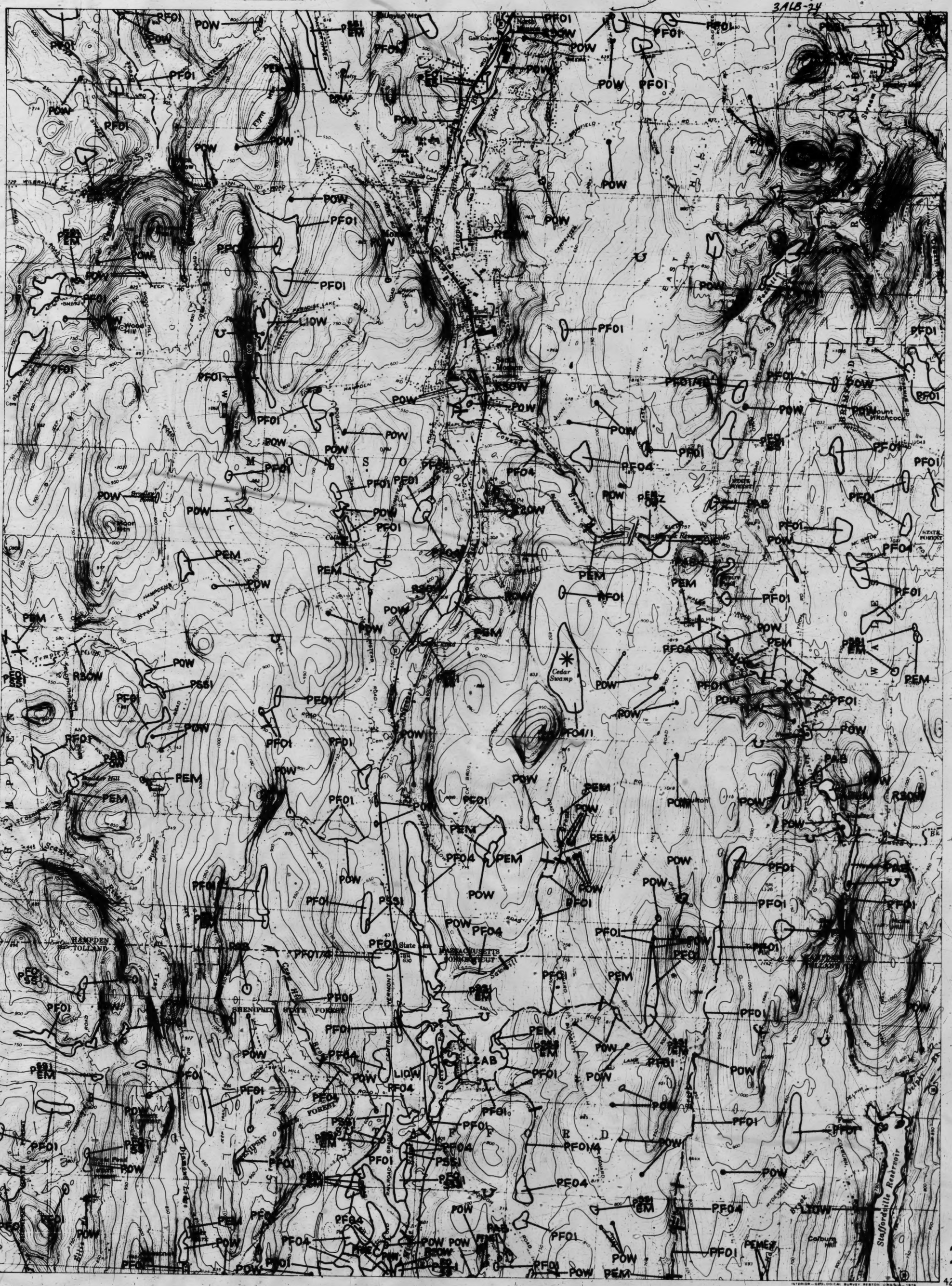
NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3AB-24



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72°15'

30

ALBANY SE
HOLYOKE

10/75

MONSON, MASS—CONN

SCALE 1:24000

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

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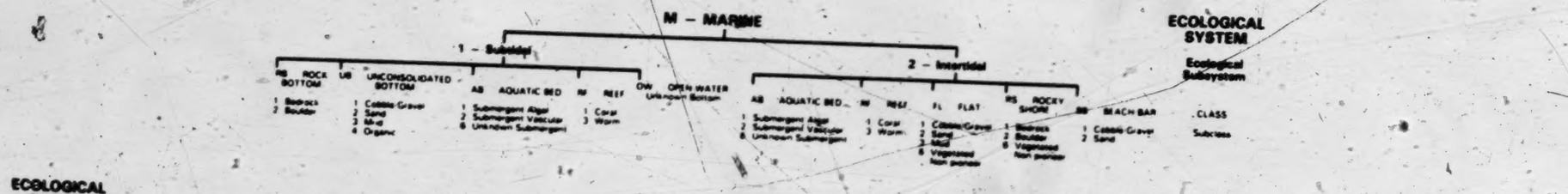
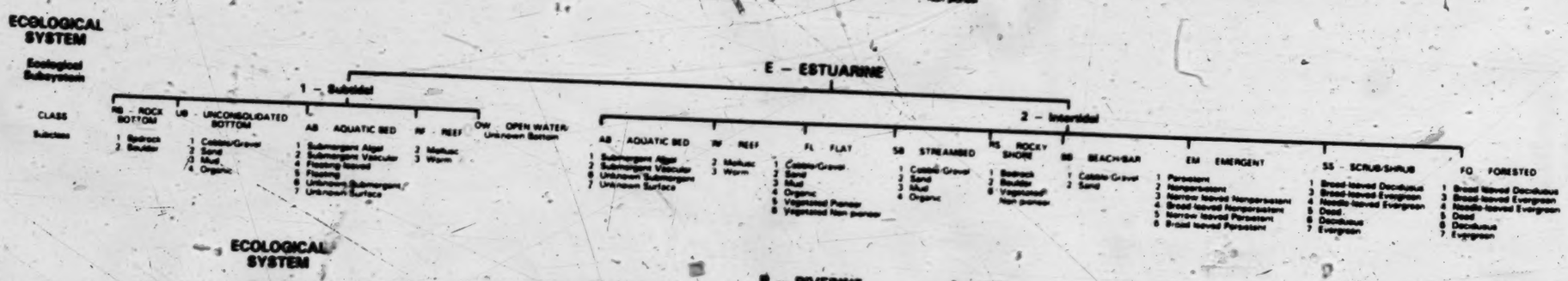
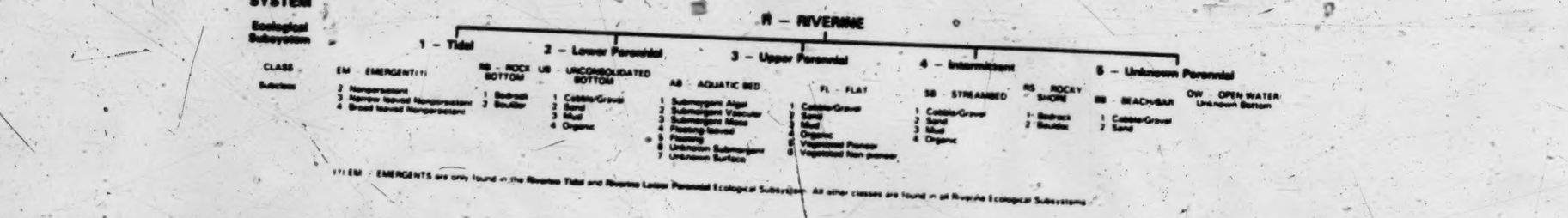
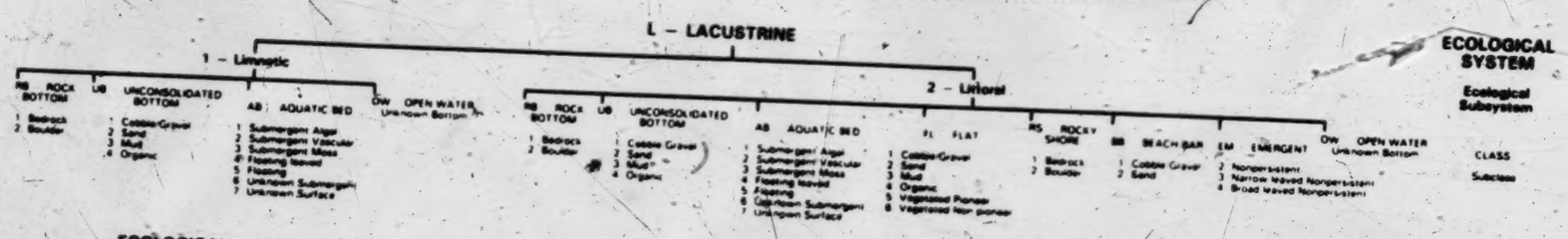
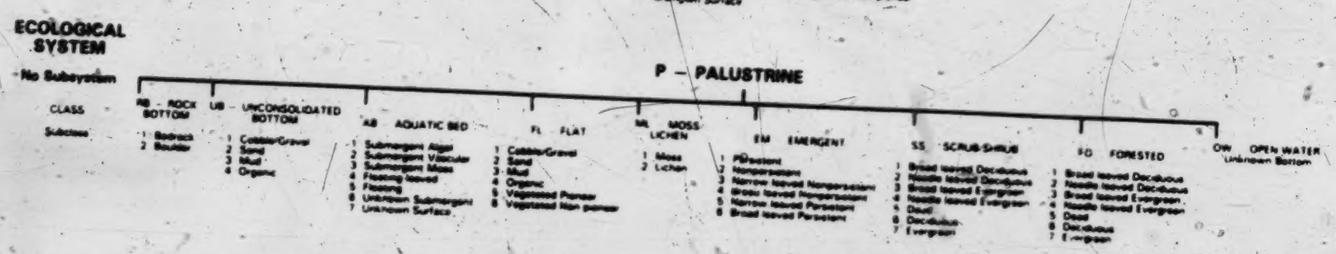






(1) EM – EMERGENTS are only found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. All other classes are found in all Riverine Ecological Subsystems.





MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal		Tidal		Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary	H Permanent	K Artificial	R Seasonal Tidal	1 Hypersaline	9 Hypersaline	9 Acid	g Organic	b Beaver
B Saturated	J Intermittently Flooded	L Subtidal	S Temporary Tidal	2 Eusaline	8 Eusaline	1 Circumneutral	m Mineral	d Partially Drained/Ditched
C Seasonal	X Artificial	M Irregularly Exposed	T Semipermanent Tidal	3 Mixosaline (Brackish)	7 Mixosaline	1 Alkaline		f Farmed
D Seasonal Well-drained	Z Intermittently Exposed/Permanent	N Regular	V Permanent Tidal	4 Polyhaline	0 Fresh			h Diked/Impounded
E Seasonal Saturated	W Intermittently Flooded/Temporary	P Irregular	U Unknown	5 Mixohaline				r Artificial
F Semipermanent	Y Saturated/Semipermanent/Spodic			6 Oligohaline				s Spoil
G Intermittently Exposed	U Unknown			0 Fresh				x Excavated

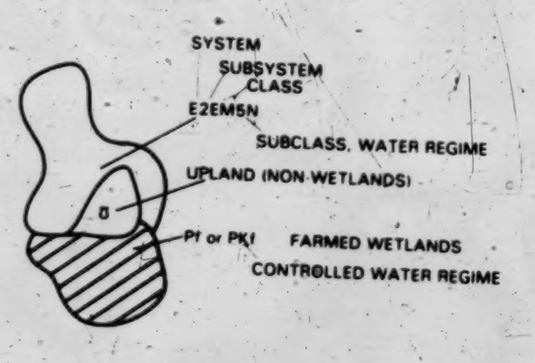
(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with **Classification of Wetlands and Deep-Water Habitats of the United States** (An Operational Draft), Cowardin, et al, 1977. The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

SYMBOLOGY EXAMPLE



NOTES TO THE USER

- Wetlands which have been field examined are indicated on the map by an asterisk (*).
- Dominance type (either vegetative or sedentary animal) can be added to the map by the interested user.
- Additions or corrections to the wetlands information displayed on this map are solicited. Please forward such information to the address indicated.

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3ALB-23

BRIMFIELD STATE FOREST
WALES
HOLLAND
HALTON RESERVOIR
HAMPDEN CO
HOLLAND CO
MASSACHUSETTS
CONNECTICUT
STATE FOREST
Grandy Hill
Mount Dumpling
Rattlesnake Hill
Delphi Brook
Moore Pond
New Pond
Maskapaug Pond
Holland Reservoir
Lead mine Road
Pipeline
PFO1
PEM
POW
PSS1
PAB
L1OW
L2AB
R2OW
R3OW
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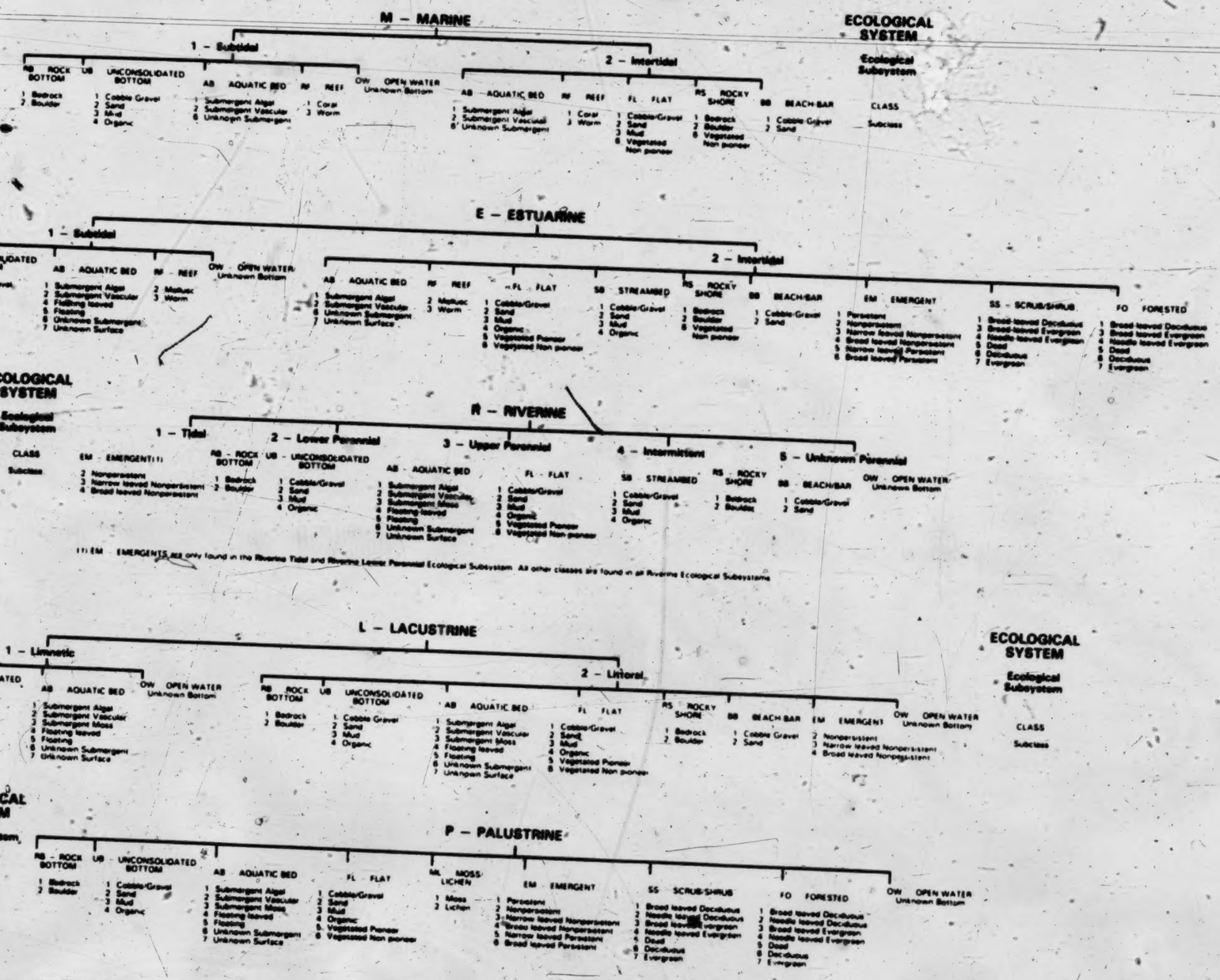
WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.



MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)

Non-Tidal
- A Temporary
- B Saturated
- C Seasonal
- D Seasonal Well-drained
- E Seasonal Saturated
- F Semipermanent
- G Intermittently Exposed
- H Permanent
- J Intermittently Flooded
- K Artificial
- Z Intermittently Exposed/Permanent
- W Intermittently Flooded/Temporary
- Y Saturated/Semipermanent/Seasonal
- U Unknown

Tidal
- K Artificial
- L Subtidal
- M Irregularly Exposed
- N Regular
- P Irregular
- R Seasonal Tidal
- S Temporary Tidal
- T Semipermanent Tidal
- V Permanent Tidal
- U Unknown

WATER CHEMISTRY

Coastal Salinity
- 1 Hyperhaline
- 2 Euhaline
- 3 Mixohaline (Brackish)
- 4 Polyhaline
- 5 Mesohaline
- 6 Oligohaline
- 0 Fresh

Inland Salinity
- 7 Hypersaline
- 8 Eusaline
- 9 Mixosaline
- 0 Fresh

pH Modifiers for all Fresh Water
- a Acid
- i Circumneutral
- j Alkaline

SOIL
- g Organic
- n Mineral

SPECIAL MODIFIERS
- b Beaver
- d Partially Drained/Ditched
- f Farmed
- h Diked/Impounded
- r Artificial
- s Spoil
- x Excavated

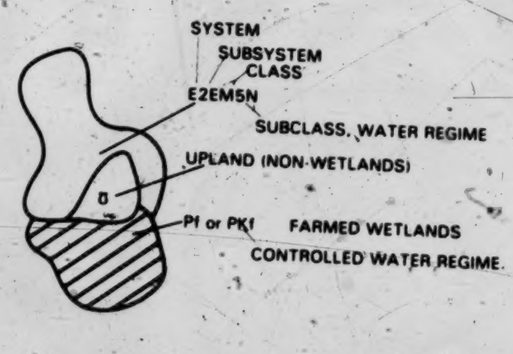
(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with **Classification of Wetlands and Deep-Water Habitats of the United States** (An Operational Draft), Cowardin, et al, 1977. The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

SYMBOLOGY EXAMPLE



NOTES TO THE USER

- Wetlands which have been field examined are indicated on the map by an asterisk (*).
- Dominance type (either vegetative or sedentary animal) can be added to the map by the interested user.
- Additions or corrections to the wetlands information displayed on this map are solicited. Please forward such information to the address indicated.

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

3AB-26

ALBANY SE
HOLYOKE

10/75

SOUTHBRIDGE, MASS — CONN.

32

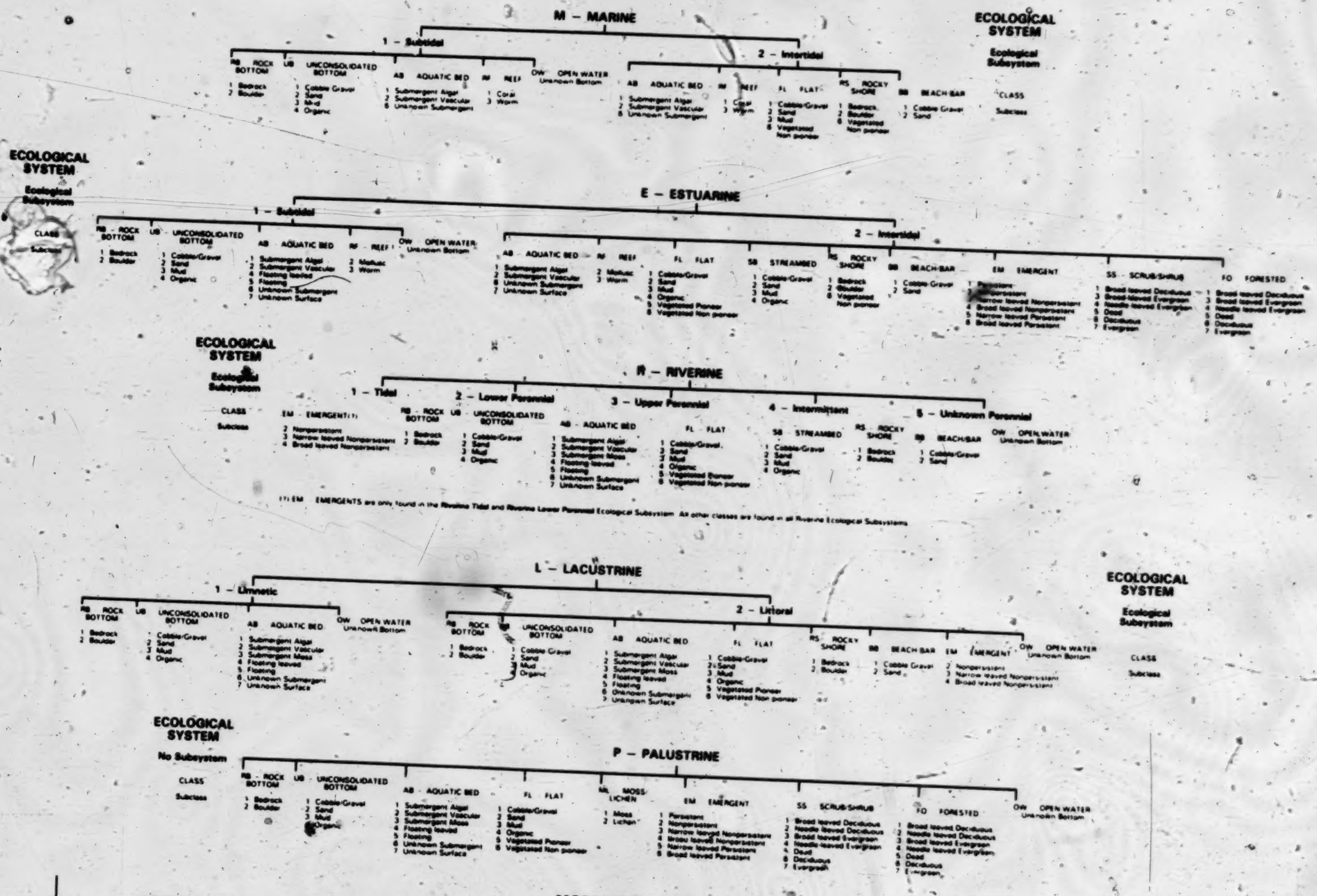
42°00'
72°00'

SCALE 1:24000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.



MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

| WATER REGIME(1) | | |